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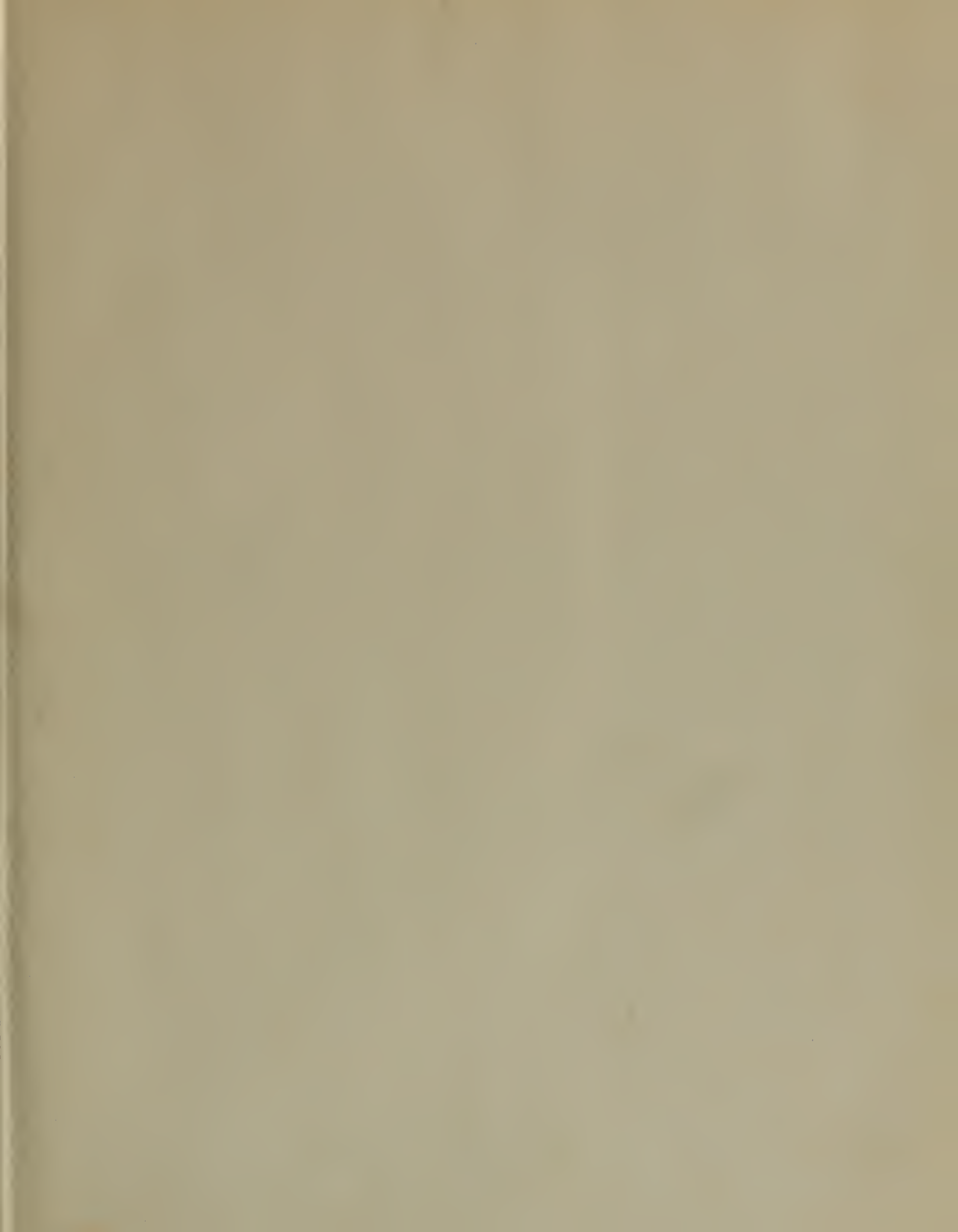
1963 CENSUS OF MANUFACTURES

DISTILLATE AND RESIDUAL FUEL OIL CONSUMED IN MANUFACTURING INDUSTRIES: 1962

(MC63(1) - 7.1 SUPPLEMENT)

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1963 CENSUS OF MANUFACTURES



MC63(1)-7.1(Supplement)



Distillate and Residual Fuel Oil Consumed in Manufacturing Industries: 1962

Supplementary data for tables 4, 6,
and 7 in the report "Fuels and Electric
Energy Consumed in Manufacturing
Industries: 1962," MC63(1)-7

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Within the Industry Division, the management of the Annual Survey of Manufactures was the responsibility of Elmer S. Biles, Assistant Chief for Program Implementation, assisted by Robert E. Crowther. Edward A. Robinson, Assistant Chief for Economic Research, had over-all responsibility for developing concepts and planning the content of the Survey. Louis J. Owen, Assistant Chief for Production and Process Statistics, coordinated the review of the product class shipments data and, assisted by Kenneth R. Brimmer, developed the statistics on consumption of fuels and electric energy. The aspects of sample design, estimation techniques, and variance formulas were carried out by Donald F. Clark under the supervision of Jack L. Ogus, Assistant Chief for Research and Methodology.

The review and analysis of the data from an industry standpoint was carried out in 9 commodity sections under the technical guidance of the following sector heads: Willis K. Jordan, Foods, Textiles, and Apparel; Cyril M. Wildes, Chemicals and Wood Products; and Paul F. Berard, Metals and Metal Products. The chiefs of these commodity sections are Charles H. W. Sedgewick, Foods; Robert J. Nealon, Textiles; Charles L. Kincannon (acting

chief), Apparel and Leather; Kenneth E. McBeth, Lumber and Wood Products; Lonnie M. Conner (acting chief), Paper, Printing, and Publishing; Reese R. Morgan, Chemicals and Petroleum Products; Malcolm E. Bernhardt, Metals; Keith B. Willis, Machinery; and Dale W. Gordon (acting chief), Electrical Machinery and Transportation Equipment.

The application of the system of industrial classification of establishments was performed by William Cooper, Industry and Commodity Classification. Within the Industry Division, the preparation of the final manuscript for printing was the responsibility of Angela R. Daly.

In the Systems Division, systems and procedures were developed under the direction of Sol Dolleck, Chief, and Eugene L. Wendt, Assistant Chief for Periodic Censuses. The computer programming was planned and supervised by Mary H. Johnson, Roger O. Lepage, and Stephan Potemkin. Clerical procedures were developed by Evelyn V. Williams under the direction of Morris Gorinson. Quality control plans and procedures were developed by Maxwell D. Jeane. Clerical and electronic data processing and related operations were performed in the Processing Division under the direction of M. Douglas Fahey, Chief; James W. Shores, Assistant Chief for Electronic Data Processing Operations, and E. Richard Bourdon, Assistant Chief for Processing Operations. The clerical work was supervised by Jerry S. Cooper.

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CONTENTS OF SUPPLEMENT

This report, based upon a survey on Census Form MC-D-12 for 1962, presents statistics on fuel oil consumed by manufacturing establishments during 1962. This is a supplement to the previously published report, "Fuels and Electric Energy Consumed in Manufacturing Industries: 1962, MC63 (1)-7," and separates the fuel-oil-consumed data shown in that release into its components of distillate and residual oil.

Both quantity and cost figures are shown for 1962 by selected industries (supplemental table 4), by State (supplemental table 6), and by selected standard metropolitan statistical areas (supplemental table 7). These tables differ from those appearing in the original "fuels consumed" publication to the extent that certain geographic and industry detail has been deleted, particularly in table 7 where the separation between distillate and residual fuel oil could not be shown without disclosing individual company data.

DESCRIPTION OF SURVEY

MC-D-12 Survey.—Information on fuels and electric energy was collected in a special sample survey, MC-D-12, "Supplementary Inquiries for 1962," conducted as a part of the 1963 Census of Manufactures, in order to spread the workload of both respondents and the Census Bureau with regard to the 1963 economic censuses program. Form MC-D-12 was mailed to the approximately 60,000 manufacturing establishments included in the 1962 Annual Survey of Manufactures panel (see below) and about 1,000 additional respondents in 14 selected industries. The industry classification assigned to each "annual survey" establishment in the MC-D-12 Survey was the same as that used in tabulating the 1962 Annual Survey of Manufactures, whereas 1958 (census) industry codes were used for the supplemental 14-industry panel of respondents. Other related information, such as the sample weight and geographic code, are identical for both the annual survey and the MC-D-12 Survey. Related data on the use of fuels and electricity in manufacturing, such as number of production workers, man-hours, and value of shipments, appear in the 1962 Annual Survey of Manufactures report. Data showing horsepower of prime movers and electric motors in manufacturing establishments were also obtained in the MC-D-12 Survey and are shown in the report, "Horsepower of Power Equipment Available in Manufacturing Industries, December 31, 1962."

Annual Survey of Manufactures.—The reporting panel for the 1962 Annual Survey is a probability sample. It was selected from the

1958 Census of Manufactures lists supplemented by:

(a) New manufacturing companies that were provided by the Bureau of Old-Age and Survivors Insurance (BOASI) each year after 1958, and

(b) New plants that were acquired or constructed by companies in the sample. These additions were obtained by sending each multi-unit company in the panel a list of all the plants it owned or controlled (based on our records). The respondent was instructed to correct this list (Form MA-151, "Listing of Manufacturing Establishments").

Important features of the earlier Annual Survey of Manufactures sample designs were carried forward to the new sample. As in the previous surveys, companies rather than establishments were defined as the sampling units (although separate reports were required for each establishment of the selected companies); all companies with one or more establishments having more than 100 employees (or more than 250 employees in the apparel and printing and publishing industries) were included with certainty; smaller companies were sampled with probabilities proportional to assigned measures of size.

The present sample includes about 60,000 establishments compared with the 50,000 included in the 1955 to 1957 annual surveys. In addition to enlarging the sample, changes were introduced in the method for assigning measures of size and in the technique for selecting the sample companies after they had all been assigned probabilities of selection.

The measure of size assigned to each company depended upon the product-class shipments values its establishments reported in the 1958 Census, whereas the 1955 to 1957 annual survey measures of size were based on the amount of salaries and wages and the 4-digit industry classification of establishments. Companies reporting product classes that historically exhibited considerable year-to-year variability were assigned relatively large measures of size. Those that reported only stable product classes were assigned relatively small measures of size. Within each product class, the size measure also varied directly with the dollar amount shipped.

DEFINITION OF MANUFACTURING ESTABLISHMENTS

Following previous census procedures, annual survey data are collected on reports received from individual manufacturing establishments. The term "establishment" denotes a single plant or factory in which manufacturing

operations are performed. A company that operates in more than one location is required to submit a separate establishment report for each location. In some instances, companies engaged in distinctly different lines of activity at one location are requested to submit separate reports for these activities if the plant records permit such a separation and the operations are substantial in size. For single-establishment companies, the reporting establishment is identical with the company. Some 256,000 of the approximately 298,000 manufacturing establishments in the United States are operated by single-establishment companies. In addition, there are approximately 13,000 multiunit companies that operate two or more manufacturing establishments. These multiestablishment firms operate somewhat more than 40,000 manufacturing establishments.

The Annual Survey of Manufactures, for all years since its inception in 1949, and the 1958, 1954, and 1947 censuses include only establishments with one or more employees at any time during the year. Thus, manufacturing establishments operated by individual proprietors or partners with no paid employees are excluded. Although there were over 52,000 establishments with no paid employees in 1958, they accounted for less than 1 percent of the total value of shipments of all manufacturing industries in that year.

DEFINITION OF MANUFACTURING INDUSTRIES

The Annual Survey of Manufactures follows the definitions of manufacturing industries contained in the 1957 revision of the Standard Industrial Classification Manual (SIC). A full description of each of these separate industries is published in the 1958 Census of Manufactures volumes.

The SIC is the classification system used by all Federal statistical agencies, by most State agencies, and many private organizations. There is no other industrial classification system in widespread use, nor is there any other general-purpose system that is described in detail in official manuals or other published documents. Awareness of the SIC by business analysts, executives, statisticians, research scholars, and others has grown rapidly and will continue to increase particularly in view of the adaptability of the decimal numeric system in mechanical processing.

The SIC is an industrial classification of the total economy. It divides all activities into broad industrial divisions (manufacturing, mining,

retail, agriculture, etc.). It further subdivides each division into major industry groups, then into industry groups, and finally into detailed industries. The numbering system provides flexibility, permitting use of classification at various levels of detail according to the specific needs and uses desired.

The manual defines manufacturing as the mechanical or chemical transformation of inorganic or organic substances into new products. The assembly of component parts or products is also considered to be manufacturing if the resulting product is neither a structure nor other fixed improvement. These activities are usually carried on in plants, factories, or mills, which characteristically use power-driven machines and materials-handling equipment.

An industry consists of a group of establishments that are primarily engaged in the same or similar lines of economic activity. In the manufacturing field, the line of activity is usually defined in terms of the types of products made, although in some instances the determination is based on materials consumed or process of manufacture.

INDUSTRY CLASSIFICATION OF ESTABLISHMENTS

Each of the establishments covered in the census was classified in one of approximately 430 manufacturing industries in accordance with the industry definitions embodied in the SIC system. Under this system of classification, an industry is generally defined as a group of establishments producing a single product or a more or less closely related group of products. The product groupings from which industry classifications are derived are based on such considerations as whether they are typically produced by the same establishment, similarity of manufacturing processes, types of material used, types of customers, and the like. The group of products assigned to an industry is said to be "primary" to that industry. Accordingly, an establishment is classified in a particular industry if its production of the primary products of that industry exceeds in value its production of products of any other single industry. In a few instances, however, the industry classification of an establishment is determined not only by the products it makes but also by the processes employed in making those products.

While some establishments produce only the primary products of the industry in which they are classified, it rarely happens that all the establishments in an industry specialize to this

extent. The general statistics (employment, inventories, value added by manufacture, etc.) shown for an industry, therefore, reflect not only the primary activities of the establishment in that industry but also their activities in the manufacture of secondary products and, in some instances, their auxiliary activities as well. For a description of each of the manufacturing industries and (1) the extent to which establishments in each manufacturing industry specialized in producing only the primary products of the industry and (2) the proportion of the U.S. total value of output of these primary products accounted for by the establishments of the industry, see "Appendix B, Industry Descriptions," 1958 Census of Manufactures, volumes I and III.

A special problem arises in the assignment of industry classifications to establishments whose principal activities change from one year to the next. Strict application of the principal-activity rule would result in the shifting of plants (and their figures on employment, cost of materials, value of shipments, etc.) from one industry to another regardless of the magnitude of the change. In order to minimize possible distortions from one report period to the next and at the same time compile current industry data, a modification was made for the annual surveys of manufactures in the general rule of classifying establishments on the basis of principal products reported in the current period. Small establishments (generally those with fewer than 100 employees) were retained in the industry in which they were classified in the 1958 census. Larger establishments that showed a change in their major activity from the previous period were also retained in their previous year's classification unless the shift in major activity was significant. This procedure results in greater comparability of the 1958, 1959, 1960, 1961, and 1962 general statistics.

Differences in the integration of production processes, types of operations, and alternatives in types of materials used should be considered when relating the general items (employment, value added, value of shipments) to the data on fuels and electric energy consumed.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas (SMSA's) are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized

counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general-purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns are regarded as the significant unit in this region of the country.

The requirement that each SMSA consist of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial". It is recognized that metropolitan areas could be more accurately defined in terms of smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

The SMSA's in this report are those that were defined in 1959 at the time the sample was selected for the annual survey. A few of the titles and descriptions may differ slightly from the definitions in use in 1962.

SAMPLE PANEL

The reporting panel for this survey is basically the same as that used for the 1962 Annual Survey of Manufactures. The annual survey panel consisted of a probability sample drawn from (a) the list of all manufacturing establishments included in the 1958 Census of Manufactures; (b) lists of new manufacturing companies obtained from the Bureau of Old-Age and Survivors Insurance; and (c) any new plants acquired or constructed by companies selected for the sample. (For further details, see 1962 Annual Survey of Manufactures, "Introduction.") In order to reduce the standard error of estimates for selected industries, the Annual Survey of Manufactures panel of about 60,000 establishments was supplemented by selecting about 1,000 additional establishments classified in 14 specified industries. All of these relatively important fuel consuming industries had relatively high sampling errors associated with their

1961 Annual Survey fuel cost estimates. The 14 selected 4-digit industries from which establishments were chosen as a supplemental sample are as follows:

| <u>Industry</u> | <u>Title</u> |
|-----------------|----------------------------------|
| 2023 | Condensed and evaporated milk |
| 2046 | Wet corn milling |
| 2096 | Shortening and cooking oils |
| 2231 | Weaving, finishing mills, wool |
| 2261 | Finishing plants, cotton |
| 2816 | Inorganic pigments |
| 2952 | Asphalt felts and coatings |
| 3111 | Leather tanning and finishing |
| 3251 | Brick and structural tile |
| 3259 | Structural clay products, n.e.c. |
| 3274 | Lime |
| 3341 | Secondary nonferrous metals |
| 3431 | Vitreous plumbing fixtures |
| 3729 | Aircraft equipment, n.e.c. |

Establishments classified in these industries were assigned probabilities of selection dependent on their total employment and 4-digit industry classification in 1958. Based on these probabilities, a new sample of establishments was selected independently of the Annual Survey of Manufactures panel. Those establishments in the new sample which were not already included in the annual survey panel constituted the supplementary panel. Establishments in this supplementary panel were assigned their 1958 industry and geographic codes.

In order to develop unbiased estimates for these 14 industries, composite weights were assigned to reflect that each establishment in these industries (with the exception of new manufacturing establishments which commenced operations after 1958) had a dual chance of selection, once for the Annual Survey of Manufactures, and once in the supplementary sampling operation. The formula for the weights assigned was as follows:

$$W_c = \frac{W_1 + W_2}{W_1 + W_2 - 1}$$

Where W_c = composite weight

W_1 = weight associated with probability of selection in Annual Survey of Manufactures

W_2 = weight associated with probability of selection in supplemental sampling operation

All establishments other than those in the supplemental panel carry the identical sample weights assigned for the Annual Survey of Manufactures. Furthermore, the geographic and industry codes also assigned in this survey are identical with those used for tabulating the 1962 Annual Survey of Manufactures. These identical characteristics of the two surveys permit the correlation of data appearing in this report with information appearing in the 1962 Annual Survey of Manufactures publications as well as with the information on horsepower of available power equipment, also tabulated from the MC-D-12 survey.

ESTIMATING PROCEDURE

The statistics presented in this report are reciprocal estimates obtained by inflating each establishment's reported data by its sample weight and summing the inflated figures. Algebraically these estimates may be expressed as follows:

$$X_h^1 = \sum_{i=1}^{n_h} W_{hi} X_{hi}$$

Where X_h^1 is the estimated total for the tabulation cell h

X_{hi} is the 1962 reported figure for establishment i in tabulation cell h

W_{hi} is the assigned weight for that establishment

n_h is the number of establishments in tabulation cell h

QUALIFICATIONS OF THE PUBLISHED DATA

All figures published in this report should be regarded as approximate rather than exact measures. The estimates differ from the true figures because of sampling variations, reporting errors, and processing errors. The magnitudes of the sampling variations for total fuel costs are smaller, while those for quantities are either approximately the same or slightly larger.

Measures of the reporting and processing errors are unavailable. However, estimates which were subject to large errors from such sources were detected and corrected in the process of Census Bureau review of the data. Other specific qualifications of the published data are indicated in the appropriate footnotes to the tables.

SUPPLEMENTAL TABLE 4. Residual and Distillate Fuel Oil Used for Heat and Power, by Selected Industries: 1962

| Code | Industry group and industry | Total | | Distillate fuel oil | | Residual fuel oil | |
|------|---------------------------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|
| | | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) |
| | All industries, total..... | 195,615 | 623,341 | 44,730 | 190,917 | 150,885 | 432,424 |
| 20 | Food and kindred products..... | 21,045 | 72,210 | 5,445 | 25,794 | 15,600 | 46,416 |
| 201 | Meat products..... | 1,990 | 7,095 | 565 | 2,713 | 1,425 | 4,382 |
| 2011 | Meat packing plants..... | 1,302 | 4,485 | 345 | 1,637 | 957 | 2,848 |
| 2013 | Prepared meat..... | 368 | 1,309 | 126 | 570 | 242 | 739 |
| 2015 | Poultry dressing plants..... | 320 | 1,301 | 94 | 506 | 226 | 795 |
| 202 | Dairy products..... | 4,303 | 16,474 | 1,381 | 6,716 | 2,922 | 9,758 |
| 2021 | Creamery butter..... | 741 | 2,877 | 114 | 597 | 627 | 2,280 |
| 2022 | Natural cheese..... | 380 | 1,681 | 178 | 923 | 201 | 758 |
| 2023 | Condensed and evaporated milk..... | 462 | 1,492 | 88 | 357 | 373 | 1,135 |
| 2024 | Ice cream and frozen desserts..... | 261 | 1,054 | 130 | 655 | 130 | 399 |
| 2025 | Special dairy products..... | 22 | 78 | 3 | 1 | 19 | 77 |
| 2026 | Fluid milk..... | 2,438 | 9,292 | 869 | 4,183 | 1,569 | 5,109 |
| 203 | Canned and frozen foods..... | 3,303 | 11,407 | 656 | 3,146 | 2,648 | 8,261 |
| 2031 | Canned and cured seafoods..... | 305 | 1,563 | 150 | 996 | 155 | 567 |
| 2032 | Canned specialties..... | 304 | 1,023 | 11 | 61 | 293 | 962 |
| 2033 | Canned fruits and vegetables..... | 1,551 | 5,165 | 327 | 1,258 | 1,225 | 3,907 |
| 2034 | Dehydrated fruits and vegetables..... | 39 | 180 | 11 | 64 | 28 | 116 |
| 2035 | Pickles and sauces..... | 190 | 708 | 51 | 255 | 139 | 453 |
| 2036 | Fresh or frozen packaged fish..... | 83 | 380 | 52 | 290 | 31 | 90 |
| 2037 | Frozen fruits and vegetables..... | 831 | 2,388 | 54 | 222 | 777 | 2,166 |
| 204 | Grain mill products..... | 1,350 | 5,039 | 385 | 1,936 | 965 | 3,103 |
| 2041 | Flour and meal..... | 141 | 532 | 67 | 294 | 74 | 238 |
| 2042 | Prepared animal feeds..... | 955 | 3,522 | 238 | 1,201 | 717 | 2,321 |
| 2043 | Cereal preparations..... | 40 | 140 | 5 | 22 | 35 | 118 |
| 2045 | Blended and prepared flour..... | 76 | 215 | 1 | 5 | 76 | 210 |
| 2046 | Wet corn milling..... | 138 | 630 | 74 | 414 | 63 | 216 |
| 205 | Bakery products..... | 1,931 | 7,702 | 905 | 4,466 | 1,026 | 3,236 |
| 2051 | Bread and related products..... | 1,726 | 6,972 | 836 | 4,124 | 890 | 2,848 |
| 2052 | Biscuit and crackers..... | 205 | 730 | 69 | 342 | 136 | 388 |
| 206 | Sugar..... | 2,311 | 5,813 | 111 | 369 | 2,201 | 5,444 |
| 2061 | Raw cane sugar..... | 356 | 1,108 | (S) | (S) | (S) | (S) |
| 2062 | Cane sugar refining..... | 1,504 | 3,531 | 20 | 83 | 1,484 | 3,448 |
| 2063 | Beet sugar..... | 451 | 1,174 | (S) | (S) | (S) | (S) |
| 207 | Candy and related products..... | 662 | 2,080 | 104 | 444 | 559 | 1,636 |
| 2071 | Confectionery products..... | 504 | 1,599 | 49 | 229 | 456 | 1,370 |
| 2072 | Chocolate and cocoa products..... | 112 | 354 | (S) | (S) | (S) | (S) |
| 2073 | Chewing gum..... | 46 | 127 | (S) | (S) | (S) | (S) |
| 208 | Beverages..... | 2,380 | 7,486 | 519 | 2,371 | 1,861 | 5,115 |
| 2082 | Malt liquors..... | 1,020 | 2,660 | 14 | 56 | 1,006 | 2,604 |
| 2083 | Malt..... | 69 | 299 | 29 | 134 | 41 | 165 |
| 2084 | Wines and brandy..... | 172 | 551 | 49 | 194 | 123 | 357 |
| 2085 | Distilled liquor, except brandy..... | 170 | 431 | 5 | 23 | 166 | 408 |
| 2086 | Bottled and canned soft drinks..... | 547 | 2,386 | 316 | 1,588 | 232 | 798 |
| 2087 | Flavorings..... | 401 | 1,159 | 108 | 376 | 293 | 783 |
| 209 | Other food preparations..... | 2,815 | 9,114 | 820 | 3,633 | 1,995 | 5,481 |
| 2092 | Soybean oil mills..... | 150 | 566 | 57 | 264 | 93 | 302 |
| 2094 | Grease and tallow..... | 772 | 2,612 | 321 | 1,386 | 452 | 1,226 |
| 2095 | Animal oils, n.e.c..... | 306 | 933 | - | - | 306 | 933 |
| 2096 | Shortening and cooking oils..... | 560 | 1,455 | 9 | 39 | 550 | 1,416 |
| 2097 | Manufactured ice..... | 48 | 219 | 47 | 214 | 1 | 5 |
| 2098 | Macaroni and spaghetti..... | 60 | 172 | 9 | 35 | 51 | 137 |
| 2099 | Food preparations, n.e.c..... | 762 | 2,742 | 353 | 1,577 | 408 | 1,165 |
| 21 | Tobacco products..... | 374 | 1,237 | 57 | 220 | 316 | 1,017 |
| 2111 | Cigarettes..... | 153 | 509 | (S) | (S) | (S) | (S) |
| 2121 | Cigars..... | 65 | 213 | 32 | 119 | 33 | 94 |
| 2131 | Chewing and smoking tobacco..... | 16 | 55 | (S) | (S) | (S) | (S) |
| 2141 | Tobacco stemming and redrying..... | 140 | 460 | 16 | 65 | 124 | 395 |

See footnotes at end of table.

SUPPLEMENTAL TABLE 4. Residual and Distillate Fuel Oil Used for Heat and Power, by Selected Industries: 1962—Continued

| Code | Industry group and industry | Total | | Distillate fuel oil | | Residual fuel oil | |
|------|---------------------------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|
| | | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) |
| 22 | Textile mill products..... | 9,945 | 30,001 | 1,321 | 5,584 | 8,624 | 24,417 |
| 2211 | Weaving mills, cotton..... | 465 | 1,425 | 103 | 366 | 362 | 1,059 |
| 2221 | Weaving mills, synthetics..... | 472 | 1,527 | 95 | 414 | 377 | 1,113 |
| 2231 | Weaving, finishing mills, wool..... | 1,417 | 4,073 | 97 | 353 | 1,321 | 3,720 |
| 2241 | Narrow fabric mills..... | 237 | 834 | 69 | 289 | 168 | 545 |
| 225 | Knitting mills..... | 1,520 | 5,344 | 339 | 1,595 | 1,181 | 3,749 |
| 2252 | Seamless hosiery mills..... | 397 | 1,532 | 115 | 499 | 281 | 1,033 |
| 2253 | Knit outerwear mills..... | 257 | 965 | 87 | 438 | 171 | 527 |
| 2254 | Knit underwear mills..... | 92 | 334 | 32 | 153 | 60 | 181 |
| 2256 | Knit fabric mills..... | 630 | 1,910 | 30 | 142 | 600 | 1,768 |
| 2259 | Knitting mills, n.e.c..... | 33 | 118 | 12 | 42 | 22 | 76 |
| 226 | Textile finishing, except wool..... | 3,342 | 9,082 | 342 | 1,310 | 3,000 | 7,772 |
| 2261 | Finishing plants, cotton..... | 1,735 | 4,869 | 174 | 804 | 1,561 | 4,065 |
| 2262 | Finishing plants, synthetics..... | 857 | 2,249 | 147 | 399 | 710 | 1,850 |
| 227 | Floor covering mills..... | 571 | 1,814 | 40 | 195 | 531 | 1,619 |
| 2271 | Woven carpets and rugs..... | 316 | 901 | 12 | 55 | 304 | 846 |
| 2272 | Tufted carpets and rugs..... | 218 | 793 | 24 | 115 | 194 | 678 |
| 228 | Yarn and thread mills..... | 566 | 1,798 | 72 | 328 | 493 | 1,470 |
| 2281 | Yarn mills, except wool..... | 176 | 637 | 51 | 228 | 124 | 409 |
| 2282 | Throwing and winding mills..... | 48 | 154 | (S) | (S) | (S) | (S) |
| 2283 | Wool yarn mills..... | 203 | 629 | 9 | 42 | 194 | 587 |
| 2284 | Thread mills..... | 139 | 378 | (S) | (S) | (S) | (S) |
| 229 | Miscellaneous textile goods..... | 1,354 | 4,104 | 164 | 734 | 1,190 | 3,370 |
| 2294 | Processed textile waste..... | 88 | 275 | 11 | 69 | 76 | 206 |
| 2295 | Coated fabric, not rubberized..... | 597 | 1,666 | 42 | 190 | 555 | 1,476 |
| 2298 | Cordage and twine..... | 43 | 128 | 10 | 31 | 33 | 97 |
| 2299 | Textile goods, n.e.c..... | 34 | 123 | 17 | 78 | 17 | 45 |
| 23 | Apparel and related products..... | 1,140 | 4,690 | 517 | 2,610 | 624 | 2,080 |
| 2311 | Men's and boys' suits and coats..... | 168 | 689 | 56 | 300 | 112 | 389 |
| 232 | Men's and boys' furnishings..... | 192 | 895 | 107 | 557 | 85 | 338 |
| 2321 | Men's dress shirts and nightwear..... | 87 | 407 | 63 | 313 | 24 | 94 |
| 2322 | Men's and boys' underwear..... | 31 | 124 | 5 | 24 | 27 | 100 |
| 2327 | Separate trousers..... | 37 | 185 | 19 | 115 | 18 | 70 |
| 2328 | Work clothing..... | 22 | 107 | 10 | 49 | 12 | 58 |
| 2329 | Men's and boys' clothing, n.e.c..... | 12 | 57 | 7 | 41 | 4 | 16 |
| 233 | Women's and misses' outerwear..... | 174 | 928 | 121 | 677 | 54 | 251 |
| 2335 | Dresses..... | 58 | 325 | 45 | 264 | 13 | 61 |
| 2337 | Women's suits, coats and skirts..... | 62 | 305 | 44 | 233 | 18 | 72 |
| 234 | Women's undergarments..... | 147 | 565 | 68 | 326 | 79 | 239 |
| 2341 | Women's and children's underwear..... | 76 | 351 | 55 | 274 | 21 | 77 |
| 2342 | Corsets and allied garments..... | 71 | 214 | 12 | 52 | 58 | 162 |
| 236 | Children's outerwear..... | 55 | 277 | 38 | 203 | 17 | 74 |
| 2369 | Children's outerwear, n.e.c..... | 24 | 115 | 10 | 53 | 14 | 62 |
| 238 | Miscellaneous apparel..... | 36 | 186 | 16 | 100 | 20 | 86 |
| 239 | Fabricated textiles, n.e.c..... | 191 | 673 | 75 | 345 | 115 | 328 |
| 2392 | Housefurnishing, n.e.c..... | 60 | 224 | 9 | 51 | 51 | 173 |
| 24 | Lumber and wood products..... | 3,843 | 17,706 | 2,447 | 12,737 | 1,396 | 4,969 |
| 2411 | Logging camps and contractors..... | 894 | 4,765 | 725 | 4,057 | 169 | 708 |
| 242 | Sawmills and planing mills..... | 1,963 | 9,331 | 1,364 | 7,017 | 599 | 2,314 |
| 2421 | Sawmills and planing mills..... | 1,868 | 8,945 | 1,315 | 6,771 | 553 | 2,174 |
| 243 | Millwork and related products..... | 486 | 1,714 | 159 | 691 | 327 | 1,023 |
| 2431 | Millwork plants..... | 93 | 460 | 61 | 317 | 32 | 143 |
| 2432 | Veneer and plywood plants..... | 366 | 1,112 | 78 | 256 | 288 | 856 |

See footnotes at end of table.

SUPPLEMENTAL TABLE 4. Residual and Distillate Fuel Oil Used for Heat and Power, by Selected Industries: 1962—Continued

| Code | Industry group and industry | Total | | Distillate fuel oil | | Residual fuel oil | |
|------|--------------------------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|
| | | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) |
| 24 | Lumber and wood products—Continued | | | | | | |
| 244 | Wooden containers..... | 57 | 247 | 29 | 145 | 28 | 102 |
| 2441 | Nailed wooden boxes and shook..... | 39 | 175 | 12 | 78 | 27 | 97 |
| 249 | Miscellaneous wood products..... | 443 | 1,649 | 170 | 827 | 273 | 822 |
| 2491 | Wood preserving..... | 137 | 433 | 24 | 104 | 113 | 329 |
| 2499 | Wood products, n.e.c..... | 306 | 1,216 | 145 | 723 | 160 | 493 |
| 25 | Furniture and fixtures..... | 882 | 3,598 | 329 | 1,691 | 552 | 1,907 |
| 251 | Household furniture..... | 547 | 2,311 | 239 | 1,226 | 309 | 1,085 |
| 2511 | Wood furniture not upholstered..... | 217 | 935 | 104 | 552 | 113 | 383 |
| 2512 | Wood furniture, upholstered..... | 147 | 590 | 72 | 348 | 76 | 242 |
| 2514 | Metal household furniture..... | 107 | 449 | 26 | 124 | 81 | 325 |
| 252 | Office furniture..... | 126 | 429 | 22 | 94 | 104 | 335 |
| 2522 | Metal office furniture..... | 111 | 379 | 20 | 86 | 90 | 293 |
| 2531 | Public building furniture..... | 49 | 215 | 15 | 86 | 34 | 129 |
| 254 | Partitions and fixtures..... | 106 | 458 | 39 | 213 | 68 | 245 |
| 259 | Furniture and fixtures, n.e.c..... | 53 | 185 | 15 | 72 | 37 | 113 |
| 26 | Paper and allied products..... | 31,105 | 80,189 | 2,578 | 8,431 | 28,527 | 71,758 |
| 2611 | Pulp mills..... | 3,447 | 8,356 | 47 | 159 | 3,400 | 8,197 |
| 2621 | Paper mills, except building..... | 11,368 | 29,472 | 678 | 2,090 | 10,690 | 27,382 |
| 2631 | Paperboard mills..... | 11,218 | 26,849 | 1,034 | 2,746 | 10,185 | 24,103 |
| 264 | Paper and paperboard products..... | 1,732 | 5,487 | 334 | 1,527 | 1,399 | 3,960 |
| 2641 | Paper coating and glazing..... | 437 | 1,354 | 43 | 197 | 394 | 1,157 |
| 2642 | Envelopes..... | 60 | 236 | 20 | 83 | 40 | 153 |
| 2643 | Bags, except textile bags..... | 202 | 688 | 43 | 216 | 159 | 472 |
| 2645 | Die cut paper and board..... | 93 | 280 | 9 | 35 | 84 | 245 |
| 2646 | Pressed and molded pulp goods..... | 313 | 1,165 | 131 | 650 | 182 | 515 |
| 2649 | Paper and board products, n.e.c..... | 612 | 1,715 | 88 | 344 | 524 | 1,371 |
| 265 | Paperboard containers and boxes..... | 2,301 | 7,321 | 365 | 1,549 | 1,937 | 5,772 |
| 2651 | Folding paperboard boxes..... | 237 | 850 | 64 | 312 | 173 | 538 |
| 2652 | Set-up paperboard boxes..... | 60 | 240 | 24 | 117 | 36 | 123 |
| 2653 | Corrugated shipping containers..... | 1,665 | 5,167 | 228 | 935 | 1,438 | 4,232 |
| 2654 | Sanitary food containers..... | 212 | 661 | 17 | 72 | 195 | 589 |
| 2655 | Fiber cans, tubes, drums, etc..... | 127 | 403 | 32 | 113 | 94 | 290 |
| 2661 | Building paper and board mills..... | 1,038 | 2,704 | 121 | 360 | 917 | 2,344 |
| 27 | Printing and publishing..... | 1,438 | 5,794 | 488 | 2,465 | 950 | 3,329 |
| 2711 | Newspapers..... | 330 | 1,422 | 161 | 806 | 169 | 616 |
| 2721 | Periodicals..... | 40 | 175 | 22 | 121 | 18 | 54 |
| 273 | Books..... | 174 | 628 | 52 | 233 | 123 | 395 |
| 2731 | Books, publishing and printing..... | 44 | 164 | 19 | 74 | 25 | 90 |
| 2732 | Book printing..... | 131 | 464 | 33 | 159 | 98 | 305 |
| 2741 | Miscellaneous publishing..... | 24 | 102 | 8 | 44 | 16 | 58 |
| 275 | Commercial printing..... | 704 | 2,794 | 162 | 877 | 542 | 1,917 |
| 2751 | Printing letterpress..... | 521 | 1,970 | 93 | 541 | 427 | 1,429 |
| 2761 | Manifold business forms..... | 55 | 216 | 19 | 87 | 36 | 129 |
| 2771 | Greeting cards..... | 32 | 125 | 17 | 72 | 15 | 53 |
| 278 | Bookbinding and related work..... | 44 | 170 | 16 | 75 | 29 | 95 |
| 2782 | Blankbooks; looseleaf binders..... | 35 | 141 | 15 | 73 | 19 | 68 |
| 28 | Chemicals and allied products..... | 19,866 | 57,204 | 4,087 | 15,599 | 15,780 | 41,605 |
| 281 | Basic chemicals..... | 9,963 | 28,397 | 2,081 | 7,456 | 7,883 | 20,941 |
| 2812 | Alkalies and chlorine..... | 470 | 1,263 | 150 | 487 | 320 | 776 |
| 2813 | Industrial gases..... | 309 | 1,079 | 152 | 535 | 157 | 544 |
| 2815 | Intermediate coal tar products..... | 1,598 | 4,198 | 112 | 457 | 1,486 | 3,741 |
| 2816 | Inorganic pigments..... | 1,800 | 5,473 | 306 | 1,198 | 1,494 | 4,275 |
| 2818 | Organic chemicals, n.e.c..... | 2,742 | 7,273 | 351 | 1,356 | 2,391 | 5,917 |
| 2819 | Inorganic chemicals, n.e.c..... | 2,720 | 8,420 | 796 | 3,106 | 1,924 | 5,314 |

See footnotes at end of table.

SUPPLEMENTAL TABLE 4. Residual and Distillate Fuel Oil Used for Heat and Power, by Selected Industries: 1962—Continued

| Code | Industry group and industry | Total | | Distillate fuel oil | | Residual fuel oil | |
|------|--|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|
| | | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) |
| 28 | Chemicals and allied products—Continued | | | | | | |
| 282 | Fibers, plastics, rubbers..... | 2,951 | 7,842 | 419 | 1,602 | 2,532 | 6,240 |
| 2821 | Plastics materials..... | 2,086 | 5,585 | 321 | 1,180 | 1,764 | 4,405 |
| 2823 | Cellulosic man-made fibers..... | 240 | 658 | 14 | 70 | 225 | 588 |
| 283 | Drugs..... | 2,152 | 5,565 | 437 | 1,330 | 1,714 | 4,235 |
| 2833 | Medicinals and botanicals..... | 1,140 | 2,748 | 334 | 896 | 806 | 1,852 |
| 284 | Cleaning and toilet goods..... | 1,208 | 4,016 | 209 | 938 | 999 | 3,078 |
| 2841 | Soap and other detergents..... | 690 | 2,320 | 115 | 496 | 575 | 1,824 |
| 2842 | Polishes and sanitation goods..... | 124 | 421 | 28 | 121 | 96 | 300 |
| 2843 | Surface active agents..... | 192 | 592 | 26 | 141 | 166 | 451 |
| 2844 | Toilet preparations..... | 203 | 683 | 40 | 180 | 162 | 503 |
| 285 | Paints and varnishes..... | 605 | 2,349 | 243 | 1,162 | 362 | 1,187 |
| 2851 | Paints and varnishes..... | 559 | 2,140 | 197 | 953 | 362 | 1,187 |
| 2861 | Gum and wood chemicals..... | 296 | 814 | 29 | 124 | 267 | 690 |
| 287 | Agricultural chemicals..... | 1,202 | 3,839 | 405 | 1,895 | 797 | 1,944 |
| 2871 | Fertilizers..... | 1,116 | 3,522 | 366 | 1,713 | 750 | 1,809 |
| 2872 | Fertilizers, mixing only..... | | | | | | |
| 2873 | Agricultural pesticides..... | | | | | | |
| 2879 | Agricultural chemicals, n.e.c..... | 87 | 317 | 40 | 182 | 47 | 135 |
| 289 | Other chemical products..... | 1,490 | 4,382 | 264 | 1,092 | 1,226 | 3,290 |
| 2891 | Glue and gelatin..... | 753 | 2,028 | 85 | 331 | 668 | 1,697 |
| 2892 | Explosives..... | 183 | 567 | 13 | 55 | 171 | 512 |
| 2893 | Printing ink..... | 158 | 468 | 15 | 58 | 143 | 410 |
| 2894 | Fatty acids..... | 75 | 213 | 11 | 52 | 64 | 161 |
| 2899 | Chemical preparations, n.e.c..... | 320 | 1,106 | 140 | 596 | 180 | 510 |
| 29 | Petroleum and coal products..... | 9,825 | 25,598 | 1,026 | 4,374 | 8,799 | 21,224 |
| 2911 | Petroleum refining..... | 7,334 | 16,806 | 67 | 184 | 7,267 | 16,622 |
| 295 | Paving and roofing materials..... | 2,269 | 8,051 | 911 | 3,939 | 1,359 | 4,112 |
| 2951 | Paving mixtures and blocks..... | 1,391 | 5,558 | 790 | 3,484 | 601 | 2,074 |
| 2952 | Asphalt felts and coatings..... | 878 | 2,493 | 121 | 455 | 758 | 2,038 |
| 299 | Petroleum and coal products, n.e.c..... | 222 | 741 | 49 | 251 | 173 | 490 |
| 2992 | Lubricating oils and greases..... | 138 | 428 | 37 | 168 | 101 | 260 |
| 30 | Rubber and plastics products, n.e.c..... | 3,833 | 11,626 | 610 | 2,676 | 3,223 | 8,950 |
| 3011 | Tires and inner tubes..... | 303 | 892 | 33 | 163 | 269 | 729 |
| 3021 | Rubber footwear..... | 284 | 733 | 10 | 42 | 273 | 691 |
| 3069 | Fabricated rubber products, n.e.c..... | 1,810 | 5,280 | 240 | 960 | 1,569 | 4,320 |
| 3079 | Plastics products, n.e.c..... | 1,405 | 4,606 | 325 | 1,511 | 1,080 | 3,095 |
| 31 | Leather and leather products..... | 1,462 | 4,496 | 232 | 1,018 | 1,229 | 3,478 |
| 3111 | Leather tanning and finishing..... | 988 | 2,775 | 64 | 242 | 924 | 2,533 |
| 314 | Footwear, except rubber..... | 323 | 1,198 | 98 | 485 | 225 | 713 |
| 3141 | Footwear, except rubber..... | 302 | 1,121 | 92 | 453 | 210 | 668 |
| 3142 | House slippers..... | 20 | 77 | 6 | 32 | 15 | 45 |
| 3161 | Luggage..... | 21 | 76 | 13 | 51 | 8 | 25 |
| 317 | Purses and small leather goods..... | 44 | 146 | 12 | 54 | 32 | 92 |
| 3172 | Small leather goods..... | 34 | 106 | 6 | 27 | 28 | 79 |
| 32 | Stone, clay and glass products..... | 13,606 | 46,345 | 4,360 | 20,255 | 9,246 | 26,090 |
| 322 | Pressed and blown glassware..... | 1,857 | 5,623 | 305 | 1,293 | 1,552 | 4,330 |
| 3221 | Glass containers..... | 1,527 | 4,523 | 183 | 779 | 1,344 | 3,744 |
| 3229 | Pressed and blown glass, n.e.c..... | 329 | 1,100 | 121 | 514 | 208 | 586 |
| 3241 | Cement, hydraulic..... | 3,053 | 8,381 | 231 | 1,021 | 2,821 | 7,360 |

See footnotes at end of table.

SUPPLEMENTAL TABLE 4. Residual and Distillate Fuel Oil Used for Heat and Power, by Selected Industries: 1962—Continued

| Code | Industry group and industry | Total | | Distillate fuel oil | | Residual fuel oil | |
|------|--|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|
| | | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) |
| 32 | Stone, clay and glass products—Continued | | | | | | |
| 325 | Structural clay products..... | 1,277 | 4,712 | 654 | 2,857 | 623 | 1,855 |
| 3251 | Brick and structural tile..... | 755 | 2,655 | 313 | 1,377 | 443 | 1,278 |
| 3259 | Structural clay products, n.e.c..... | 277 | 1,024 | 180 | 733 | 97 | 291 |
| 326 | Pottery and related products..... | 332 | 1,231 | 177 | 779 | 155 | 452 |
| 3261 | Vitreous plumbing fixtures..... | 147 | 476 | 63 | 256 | 83 | 220 |
| 3264 | Porcelain electrical supplies..... | 83 | 297 | 38 | 176 | 45 | 121 |
| 327 | Concrete and plaster products..... | 3,834 | 15,037 | 1,862 | 9,224 | 1,972 | 5,813 |
| 3271 | Concrete block and brick..... | 756 | 2,853 | 329 | 1,490 | 428 | 1,363 |
| 3272 | Concrete products..... | 443 | 2,022 | 304 | 1,508 | 139 | 514 |
| 3273 | Ready-mixed concrete..... | 1,113 | 5,669 | 1,045 | 5,404 | 68 | 265 |
| 3274 | Lime..... | 318 | 950 | 57 | 251 | 261 | 699 |
| 3275 | Gypsum products..... | 1,203 | 3,543 | 128 | 571 | 1,076 | 2,972 |
| 3281 | Cut stone and stone products..... | 177 | 884 | 141 | 762 | 37 | 122 |
| 329 | Nonmetallic minerals, n.e.c..... | 2,921 | 9,927 | 967 | 4,200 | 1,954 | 5,727 |
| 3291 | Abrasive products..... | 288 | 1,131 | 141 | 642 | 147 | 489 |
| 3293 | Gaskets and insulations..... | 407 | 1,245 | 54 | 214 | 353 | 1,031 |
| 3295 | Minerals: Ground or treated..... | 1,070 | 3,805 | 404 | 1,774 | 666 | 2,031 |
| 3296 | Mineral wool..... | 277 | 946 | 67 | 315 | 210 | 631 |
| 3297 | Nonclay refractories..... | 297 | 1,081 | 188 | 747 | 109 | 334 |
| 33 | Primary metal industries..... | 46,182 | 155,884 | 10,815 | 41,680 | 35,367 | 114,204 |
| 331 | Steel rolling and finishing..... | 35,291 | 117,965 | 7,049 | 25,232 | 28,243 | 92,733 |
| 3312 | Blast furnaces and steel mills..... | 34,394 | 114,818 | 6,793 | 24,119 | 27,601 | 90,699 |
| 3315 | Steel wire drawing..... | 363 | 1,211 | 135 | 535 | 229 | 676 |
| 3316 | Cold finishing of steel shapes..... | 186 | 608 | 46 | 197 | 140 | 411 |
| 332 | Iron and steel foundries..... | 1,613 | 6,801 | 1,063 | 4,837 | 549 | 1,964 |
| 3321 | Gray iron foundries..... | 611 | 2,817 | 480 | 2,314 | 131 | 503 |
| 3322 | Malleable iron foundries..... | 239 | 963 | 159 | 692 | 80 | 271 |
| 3323 | Steel foundries..... | 762 | 3,021 | 424 | 1,831 | 338 | 1,190 |
| 333 | Primary nonferrous metal..... | 2,519 | 6,690 | 362 | 1,476 | 2,157 | 5,214 |
| 3331 | Primary copper..... | 2,123 | 5,258 | 166 | 654 | 1,957 | 4,604 |
| 3341 | Secondary nonferrous metals..... | 794 | 2,895 | 373 | 1,540 | 421 | 1,355 |
| 335 | Nonferrous rolling and drawing..... | 2,839 | 8,736 | 723 | 3,071 | 2,116 | 5,665 |
| 3351 | Copper rolling and drawing..... | 1,156 | 3,355 | 190 | 851 | 966 | 2,504 |
| 3352 | Aluminum rolling and drawing..... | 601 | 2,211 | 360 | 1,494 | 242 | 717 |
| 3356 | Rolling and drawing, n.e.c..... | 117 | 436 | 63 | 273 | 54 | 163 |
| 3357 | Nonferrous wire drawing, etc..... | 964 | 2,734 | 110 | 453 | 854 | 2,281 |
| 336 | Nonferrous foundries..... | 550 | 2,471 | 342 | 1,704 | 209 | 767 |
| 3361 | Aluminum castings..... | 231 | 1,083 | 178 | 900 | 52 | 183 |
| 3362 | Brass, bronze, copper castings..... | 204 | 931 | 140 | 684 | 63 | 247 |
| 3369 | Nonferrous castings, n.e.c..... | 116 | 457 | 23 | 120 | 93 | 337 |
| 339 | Primary metal industries, n.e.c..... | 2,576 | 10,326 | 903 | 3,820 | 1,673 | 6,506 |
| 3391 | Iron and steel forgings..... | 2,440 | 9,832 | 827 | 3,501 | 1,614 | 6,331 |
| 3392 | Nonferrous forgings..... | 78 | 257 | 22 | 94 | 56 | 163 |
| 34 | Fabricated metal products..... | 7,104 | 25,621 | 3,125 | 14,353 | 3,979 | 11,268 |
| 3411 | Metal cans..... | 262 | 844 | 44 | 171 | 218 | 673 |
| 342 | Cutlery, hand tools, hardware..... | 1,035 | 3,687 | 375 | 1,730 | 660 | 1,957 |
| 3421 | Cutlery..... | 173 | 541 | 37 | 187 | 136 | 354 |
| 3423 | Edge tools..... | 329 | 1,290 | 168 | 767 | 161 | 523 |
| 3425 | Hand saws and saw blades..... | 31 | 117 | 11 | 55 | 21 | 62 |
| 3429 | Hardware, n.e.c..... | 501 | 1,739 | 159 | 721 | 342 | 1,018 |
| 343 | Plumbing and nonelectric heating..... | 411 | 1,615 | 222 | 991 | 189 | 624 |
| 3433 | Nonelectric heating equipment..... | 299 | 1,188 | 148 | 683 | 151 | 505 |

See footnotes at end of table.

SUPPLEMENTAL TABLE 4. Residual and Distillate Fuel Oil Used for Heat and Power, by Selected Industries: 1962—Continued

| Code | Industry group and industry | Total | | Distillate fuel oil | | Residual fuel oil | |
|------|--|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|
| | | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) |
| 34 | Fabricated metal products—Continued | | | | | | |
| 344 | Structural metal products..... | 1,353 | 5,498 | 674 | 3,289 | 679 | 2,209 |
| 3441 | Fabricated structural steel..... | 297 | 1,195 | 189 | 869 | 109 | 326 |
| 3442 | Metal doors, sash, and trim..... | 262 | 1,037 | 105 | 486 | 158 | 551 |
| 3443 | Boiler shop products..... | 438 | 1,762 | 193 | 978 | 245 | 784 |
| 3444 | Sheet metal work..... | 187 | 805 | 110 | 546 | 77 | 259 |
| 3449 | Miscellaneous metal work, n.e.c..... | 168 | 699 | 77 | 410 | 91 | 289 |
| 345 | Screw machine products and bolts..... | 597 | 2,324 | 332 | 1,487 | 265 | 837 |
| 3451 | Screw machine products..... | 182 | 856 | 165 | 795 | 16 | 61 |
| 3452 | Bolts, nuts, washers, and rivets..... | 415 | 1,468 | 166 | 692 | 249 | 776 |
| 3461 | Metal stampings..... | 1,368 | 3,269 | 316 | 1,447 | ,052 | 1,822 |
| 347 | Metal services, n.e.c..... | 730 | 3,023 | 421 | 1,888 | 309 | 1,135 |
| 3471 | Plating and polishing..... | 526 | 2,098 | 272 | 1,179 | 255 | 919 |
| 3479 | Metal coating, engraving, etc..... | 204 | 925 | 150 | 709 | 54 | 216 |
| 3481 | Fabricated wire products, n.e.c..... | 286 | 1,142 | 136 | 633 | 150 | 509 |
| 349 | Fabricated metal products, n.e.c..... | 1,063 | 4,219 | 605 | 2,717 | 458 | 1,502 |
| 3494 | Valves and pipe fittings..... | 609 | 2,367 | 370 | 1,603 | 239 | 764 |
| 3498 | Fabricated pipe and fittings..... | 64 | 274 | 39 | 194 | 25 | 80 |
| 3499 | Fabricated metal products, n.e.c..... | 120 | 547 | 63 | 316 | 58 | 231 |
| 35 | Machinery, except electrical..... | 7,705 | 26,969 | 2,652 | 11,537 | 5,053 | 15,432 |
| 351 | Engines and turbines..... | 1,343 | 3,632 | 157 | 688 | 1,185 | 2,944 |
| 3511 | Steam engines and turbines..... | 1,050 | 2,463 | 20 | 81 | 1,031 | 2,382 |
| 3519 | Internal combustion engines..... | 292 | 1,169 | 138 | 607 | 155 | 562 |
| 3522 | Farm machinery and equipment..... | 316 | 1,394 | 137 | 744 | 178 | 650 |
| 353 | Construction and like equipment..... | 849 | 3,115 | 277 | 1,236 | 572 | 1,879 |
| 3531 | Construction machinery..... | 476 | 1,911 | 166 | 740 | 310 | 1,171 |
| 3534 | Elevators and moving stairways..... | 86 | 230 | 3 | 16 | 84 | 214 |
| 3535 | Conveyors..... | 61 | 243 | 46 | 191 | 15 | 52 |
| 3537 | Industrial trucks and tractors..... | 41 | 154 | 16 | 77 | 25 | 77 |
| 354 | Metalworking machinery..... | 1,328 | 5,207 | 600 | 2,715 | 727 | 2,492 |
| 3541 | Metal-cutting machine tools..... | 334 | 1,190 | 122 | 461 | 212 | 729 |
| 3542 | Metal-forming machine tools..... | 196 | 835 | 88 | 430 | 108 | 405 |
| 3545 | Machine tool accessories..... | 333 | 1,180 | 78 | 360 | 256 | 820 |
| 355 | Special industry machinery..... | 1,198 | 4,427 | 483 | 2,179 | 715 | 2,248 |
| 3551 | Food products machinery..... | 133 | 550 | 40 | 212 | 92 | 338 |
| 3552 | Textile machinery..... | 418 | 1,419 | 190 | 753 | 228 | 666 |
| 3553 | Woodworking machinery..... | 28 | 106 | 14 | 56 | 14 | 50 |
| 3554 | Paper industries machinery..... | 137 | 546 | 83 | 363 | 54 | 183 |
| 3555 | Printing trades machinery..... | 166 | 671 | 56 | 309 | 109 | 362 |
| 3559 | Special industry machinery, n.e.c..... | 316 | 1,135 | 99 | 486 | 217 | 649 |
| 356 | General industrial machinery..... | 1,212 | 4,177 | 357 | 1,611 | 855 | 2,566 |
| 3561 | Pumps and compressors..... | 299 | 1,082 | 125 | 562 | 175 | 520 |
| 3562 | Ball and roller bearings..... | 408 | 1,168 | 63 | 247 | 346 | 921 |
| 3564 | Blowers and fans..... | 74 | 260 | 24 | 105 | 50 | 155 |
| 3566 | Power transmission equipment..... | 227 | 845 | 60 | 269 | 167 | 576 |
| 3569 | General industry machinery, n.e.c..... | 154 | 619 | 66 | 324 | 88 | 295 |
| 357 | Office machines, n.e.c..... | 645 | 1,846 | 251 | 654 | 394 | 1,192 |
| 3571 | Computing and related machines..... | 458 | 1,268 | 224 | 554 | 234 | 714 |
| 3579 | Office machines, n.e.c..... | 92 | 281 | 16 | 51 | 77 | 230 |
| 358 | Service industry machines..... | 418 | 1,555 | 139 | 623 | 279 | 932 |
| 3581 | Automatic vending machines..... | 24 | 106 | 19 | 86 | 5 | 20 |
| 3585 | Refrigeration machinery..... | 234 | 818 | 73 | 311 | 162 | 507 |
| 3589 | Service industry machines, n.e.c..... | 81 | 341 | 21 | 111 | 60 | 230 |
| 3599 | Machine shops..... | 398 | 1,616 | 250 | 1,087 | 148 | 529 |

See footnotes at end of table.

SUPPLEMENTAL TABLE 4. Residual and Distillate Fuel Oil Used for Heat and Power, by Selected Industries: 1962—Continued

| Code | Industry group and industry | Total | | Distillate fuel oil | | Residual fuel oil | |
|------|--|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|
| | | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) |
| 36 | Electrical machinery..... | 5,152 | 17,623 | 1,478 | 6,521 | 3,674 | 11,102 |
| 361 | Electric distribution products..... | 510 | 1,741 | 132 | 602 | 379 | 1,139 |
| 3611 | Electric measuring instruments..... | 168 | 601 | 57 | 250 | 111 | 351 |
| 3612 | Transformers..... | 95 | 305 | 8 | 40 | 87 | 265 |
| 3613 | Switchgear and switchboards..... | 247 | 835 | 67 | 307 | 180 | 528 |
| 362 | Electric industrial apparatus..... | 412 | 1,570 | 151 | 697 | 260 | 873 |
| 3621 | Motors and generators..... | 181 | 669 | 63 | 276 | 118 | 393 |
| 3622 | Industrial controls..... | 93 | 388 | 38 | 181 | 55 | 207 |
| 3623 | Welding apparatus..... | 32 | 128 | 18 | 76 | 15 | 52 |
| 3629 | Electric industrial goods, n.e.c..... | 80 | 290 | 27 | 139 | 53 | 151 |
| 363 | Household appliances..... | 714 | 2,402 | 155 | 691 | 559 | 1,711 |
| 3631 | Household cooking equipment..... | 86 | 299 | 40 | 164 | 46 | 135 |
| 3633 | Household laundry equipment..... | 69 | 266 | 14 | 62 | 56 | 204 |
| 3634 | Electric housewares and fans..... | 233 | 848 | 64 | 291 | 169 | 557 |
| 3639 | Household appliances, n.e.c..... | 75 | 296 | 25 | 112 | 50 | 184 |
| 364 | Lighting and wiring devices..... | 806 | 2,952 | 278 | 1,256 | 528 | 1,696 |
| 3641 | Electric lamps..... | 96 | 260 | 22 | 70 | 75 | 190 |
| 3642 | Lighting fixtures..... | 202 | 768 | 53 | 288 | 149 | 480 |
| 3643 | Current carrying devices..... | 293 | 1,104 | 97 | 463 | 196 | 641 |
| 3644 | Noncurrent carrying devices..... | 214 | 820 | 106 | 435 | 108 | 385 |
| 365 | Radio, TV, receiving equipment..... | 381 | 1,323 | 73 | 325 | 307 | 998 |
| 366 | Communication equipment..... | 1,173 | 3,638 | 223 | 986 | 950 | 2,652 |
| 3661 | Telephone; telegraph apparatus..... | 233 | 729 | 39 | 161 | 194 | 568 |
| 3662 | Radio, TV communication equipment..... | 939 | 2,909 | 184 | 825 | 756 | 2,084 |
| 367 | Electronic components..... | 830 | 2,928 | 290 | 1,301 | 540 | 1,627 |
| 3673 | Electron tubes, transmitting..... | 49 | 157 | 8 | 36 | 40 | 121 |
| 3679 | Electronic components, n.e.c..... | 697 | 2,488 | 265 | 1,198 | 432 | 1,290 |
| 369 | Electrical products, n.e.c..... | 328 | 1,069 | 168 | 621 | 160 | 448 |
| 3691 | Storage batteries..... | 170 | 496 | 101 | 311 | 69 | 185 |
| 3692 | Primary batteries, dry and wet..... | 13 | 57 | 13 | 57 | - | - |
| 3694 | Engine electrical equipment..... | 77 | 265 | 25 | 108 | 52 | 157 |
| 3699 | Electrical products, n.e.c..... | 57 | 221 | 29 | 145 | 28 | 76 |
| 37 | Transportation equipment..... | 7,003 | 22,542 | 1,931 | 7,870 | 5,071 | 14,672 |
| 371 | Motor vehicles and equipment..... | 2,682 | 8,872 | 745 | 2,978 | 1,937 | 5,894 |
| 3713 | Truck and bus bodies..... | 72 | 324 | 36 | 196 | 36 | 128 |
| 372 | Aircraft and parts..... | 2,863 | 8,757 | 572 | 2,326 | 2,290 | 6,431 |
| 3721 | Aircraft..... | 909 | 2,633 | 129 | 488 | 780 | 2,145 |
| 3722 | Aircraft engines and parts..... | 1,201 | 3,716 | 344 | 1,357 | 857 | 2,359 |
| 373 | Ships and boats..... | 962 | 2,934 | 269 | 1,155 | 693 | 1,779 |
| 3731 | Ship building and repairing..... | 906 | 2,655 | 226 | 927 | 680 | 1,728 |
| 3732 | Boat building and repairing..... | 55 | 279 | 42 | 228 | 13 | 51 |
| 374 | Railroad equipment..... | 359 | 1,347 | 247 | 928 | 112 | 419 |
| 3751 | Motorcycles, bicycles, and parts..... | 29 | 117 | 9 | 44 | 19 | 73 |
| 379 | Transportation equipment, n.e.c..... | 109 | 515 | 89 | 439 | 20 | 76 |
| 3799 | Transportation equipment, n.e.c..... | 14 | 71 | 6 | 38 | 9 | 33 |
| 38 | Instruments and related products..... | 1,476 | 5,031 | 459 | 1,871 | 1,017 | 3,160 |
| 3811 | Scientific instruments..... | 234 | 798 | 55 | 254 | 179 | 544 |
| 382 | Mechanical measuring devices..... | 404 | 1,371 | 75 | 322 | 329 | 1,049 |
| 3821 | Mechanical measuring devices..... | 303 | 1,011 | 47 | 208 | 256 | 803 |
| 3822 | Automatic temperature controls..... | 101 | 360 | 27 | 114 | 74 | 246 |
| 3831 | Optical instruments and lenses..... | 35 | 139 | 14 | 65 | 21 | 74 |
| 384 | Medical instruments and supplies..... | 277 | 1,017 | 114 | 521 | 162 | 496 |
| 3841 | Surgical and medical instruments..... | 46 | 177 | 26 | 120 | 20 | 57 |
| 3842 | Surgical appliances and supplies..... | 197 | 718 | 80 | 359 | 116 | 359 |
| 3843 | Dental equipment and supplies..... | 34 | 122 | 8 | 42 | 26 | 80 |

See footnotes at end of table.

SUPPLEMENTAL TABLE 4. Residual and Distillate Fuel Oil Used for Heat and Power, by Selected Industries: 1962—Continued

| Code | Industry group and industry | Total | | Distillate fuel oil | | Residual fuel oil | |
|------|--|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|
| | | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) |
| 38 | Instruments and related products—Continued | | | | | | |
| 3851 | Ophthalmic goods..... | 126 | 370 | 15 | 75 | 111 | 295 |
| 3861 | Photographic equipment..... | 322 | 1,081 | 158 | 509 | 164 | 572 |
| 387 | Watches and clocks..... | 79 | 255 | 29 | 125 | 50 | 130 |
| 39 | Miscellaneous manufacturing..... | 1,836 | 6,683 | 657 | 3,111 | 1,180 | 3,572 |
| 391 | Jewelry and silverware..... | 295 | 823 | 29 | 132 | 265 | 691 |
| 3911 | Jewelry, precious metal..... | 36 | 137 | 19 | 82 | 17 | 55 |
| 3914 | Silverware and plated ware..... | 229 | 584 | 1 | 5 | 227 | 579 |
| 3931 | Musical instruments and parts..... | 62 | 235 | 12 | 45 | 50 | 190 |
| 394 | Toys and sporting goods..... | 537 | 2,168 | 239 | 1,186 | 297 | 982 |
| 3941 | Games and toys, n.e.c..... | 194 | 692 | 67 | 307 | 126 | 385 |
| 3942 | Dolls..... | 29 | 113 | 13 | 69 | 16 | 44 |
| 3949 | Sporting and athletic goods, n.e.c..... | 283 | 1,266 | 155 | 789 | 129 | 477 |
| 395 | Office supplies..... | 140 | 471 | 47 | 212 | 93 | 259 |
| 3951 | Pens and mechanical pencils..... | 14 | 73 | (S) | (S) | (S) | (S) |
| 3952 | Lead pencils and art goods..... | 58 | 204 | 32 | 128 | 26 | 76 |
| 3953 | Marking devices..... | 7 | 29 | (S) | (S) | (S) | (S) |
| 3955 | Carbon paper and inked ribbons..... | 61 | 165 | (S) | (S) | (S) | (S) |
| 396 | Costume jewelry and notions..... | 221 | 822 | 66 | 339 | 155 | 483 |
| 3961 | Costume jewelry..... | 57 | 248 | 21 | 131 | 35 | 117 |
| 3963 | Buttons..... | 36 | 159 | 8 | 48 | 28 | 111 |
| 3964 | Needles, pins, and fasteners..... | 113 | 347 | 28 | 113 | 84 | 234 |
| 398 | } Miscellaneous manufactures..... | 582 | 2,164 | 264 | 1,197 | 319 | 967 |
| 399 | | | | | | | |
| 3981 | | 111 | 441 | 57 | 277 | 54 | 164 |
| 3983 | | 27 | 114 | 19 | 81 | 8 | 33 |
| 3988 | | 55 | 237 | 27 | 131 | 29 | 106 |
| 3993 | | 92 | 438 | 64 | 311 | 27 | 127 |
| 3999 | Miscellaneous products, n.e.c..... | 87 | 341 | 43 | 191 | 43 | 150 |
| 19 | Ordinance and accessories..... | 794 | 2,294 | 116 | 520 | 678 | 1,774 |

Note: Detail may not add to totals because of independent rounding. Industry group totals include estimates for all component industries, regardless of whether or not separate data are shown for the individual industries.

- Represents zero. n.e.c. Not elsewhere classified. (S) Withheld because the estimate did not meet publication standards for one or more of the following reasons: The standard error associated with the figure was too high (generally in excess of 25 percent); cost of fuel less than \$50 thousand; to avoid disclosing figures of individual companies; or on the basis of a consistency review.

SUPPLEMENTAL TABLE 6. Residual and Distillate Fuel Oil Used for Heat and Power, by States and Selected Industry Groups: 1962

| Code | State and industry group | Total | | Distillate fuel oil | | Residual fuel oil | |
|------|--|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|
| | | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) |
| | United States, total..... | 195,615 | 623,341 | 44,730 | 190,917 | 150,885 | 432,424 |
| | Alabama, total..... | 1,342 | 4,915 | 911 | 3,542 | 431 | 1,373 |
| 20 | Food and kindred products..... | 33 | 133 | 9 | 51 | 24 | 82 |
| 22 | Textile mill products..... | 26 | 96 | 6 | 23 | 20 | 73 |
| 32 | Stone, clay and glass products..... | 59 | 229 | 17 | 86 | 42 | 143 |
| | Alaska..... | 568 | 2,128 | 106 | 768 | 462 | 1,360 |
| | Arizona..... | 26 | 146 | (S) | (S) | (S) | (S) |
| | Arkansas, total..... | 122 | 444 | 30 | 178 | 92 | 266 |
| 26 | Paper and allied products..... | 31 | 101 | - | - | 31 | 101 |
| | California, total..... | 6,556 | 17,677 | 1,069 | 3,988 | 5,487 | 13,689 |
| 20 | Food and kindred products..... | 1,365 | 3,280 | 114 | 396 | 1,251 | 2,884 |
| 24 | Lumber and wood products..... | 746 | 3,009 | 401 | 1,564 | 345 | 1,445 |
| 26 | Paper and allied products..... | 1,426 | 3,000 | 79 | 170 | 1,347 | 2,830 |
| 28 | Chemicals and allied products..... | 655 | 1,538 | 64 | 201 | 591 | 1,337 |
| 29 | Petroleum and coal products..... | 363 | 959 | 9 | 41 | 355 | 918 |
| 30 | Rubber and plastics products, n.e.c..... | 20 | 60 | 4 | 18 | 16 | 42 |
| 32 | Stone, clay and glass products..... | 438 | 1,339 | 115 | 477 | 323 | 862 |
| 33 | Primary metal industries..... | 1,162 | 3,122 | 52 | 204 | 1,110 | 2,918 |
| 37 | Transportation equipment..... | 283 | 996 | 154 | 592 | 129 | 404 |
| | Colorado, total..... | 696 | 1,912 | 533 | 1,470 | 163 | 442 |
| 20 | Food and kindred products..... | 76 | 263 | 49 | 164 | 27 | 99 |
| | Connecticut, total..... | 9,313 | 26,894 | 1,595 | 7,003 | 7,718 | 19,891 |
| 20 | Food and kindred products..... | 316 | 1,214 | 142 | 715 | 173 | 499 |
| 22 | Textile mill products..... | 815 | 2,284 | 147 | 449 | 668 | 1,835 |
| 23 | Apparel and related products..... | 96 | 277 | 38 | 117 | 58 | 160 |
| 26 | Paper and allied products..... | 840 | 2,112 | 41 | 151 | 799 | 1,961 |
| 28 | Chemicals and allied products..... | 1,097 | 2,710 | 48 | 225 | 1,049 | 2,485 |
| 30 | Rubber and plastics products, n.e.c..... | 626 | 1,627 | 29 | 104 | 597 | 1,523 |
| 31 | Leather and leather products..... | 31 | 87 | 3 | 15 | 27 | 72 |
| 33 | Primary metal industries..... | 1,297 | 3,809 | 245 | 1,108 | 1,051 | 2,701 |
| 34 | Fabricated metal products..... | 683 | 2,293 | 242 | 1,121 | 442 | 1,172 |
| 35 | Machinery, except electrical..... | 768 | 2,443 | 233 | 975 | 535 | 1,468 |
| 36 | Electrical machinery..... | 356 | 1,105 | 73 | 320 | 283 | 785 |
| 37 | Transportation equipment..... | 986 | 2,614 | 54 | 272 | 932 | 2,342 |
| 38 | Instruments and related products..... | 116 | 391 | 41 | 179 | 75 | 212 |
| 39 | Miscellaneous manufacturing, including ordnance..... | 679 | 1,792 | 60 | 260 | 619 | 1,532 |
| | Delaware, total..... | 2,375 | 7,001 | 259 | 1,141 | 2,116 | 5,860 |
| 20 | Food and kindred products..... | 203 | 786 | 17 | 94 | 185 | 692 |
| 28 | Chemicals and allied products..... | 753 | 1,982 | 43 | 202 | 710 | 1,780 |
| | District of Columbia, total..... | 156 | 500 | 19 | 71 | 137 | 429 |
| 20 | Food and kindred products..... | 90 | 294 | (S) | (S) | (S) | (S) |
| | Florida, total..... | 8,346 | 21,104 | 1,361 | 4,389 | 6,984 | 16,715 |
| 20 | Food and kindred products..... | 1,028 | 2,954 | 164 | 728 | 864 | 2,226 |
| 24 | Lumber and wood products..... | 61 | 265 | 35 | 193 | 26 | 72 |
| 26 | Paper and allied products..... | 4,245 | 9,687 | 800 | 1,792 | 3,445 | 7,895 |
| 28 | Chemicals and allied products..... | 1,219 | 3,501 | 163 | 832 | 1,057 | 2,669 |
| 32 | Stone, clay and glass products..... | 1,309 | 3,118 | 23 | 108 | 1,286 | 3,010 |
| | Georgia, total..... | 3,317 | 9,454 | 567 | 2,370 | 2,750 | 7,084 |
| 20 | Food and kindred products..... | 348 | 1,254 | 83 | 369 | 265 | 885 |
| 22 | Textile mill products..... | 328 | 1,209 | 81 | 360 | 246 | 849 |
| 23 | Apparel and related products..... | 15 | 80 | 11 | 64 | 4 | 16 |
| 28 | Chemicals and allied products..... | 221 | 629 | 138 | 401 | 84 | 228 |
| 32 | Stone, clay and glass products..... | 304 | 991 | 81 | 375 | 223 | 616 |

See footnotes at end of table.

SUPPLEMENTAL TABLE 6. Residual and Distillate Fuel Oil Used for Heat and Power, by States and Selected Industry Groups: 1962—Continued

| Code | State and industry group | Total | | Distillate fuel oil | | Residual fuel oil | |
|------|--|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|
| | | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) |
| | Hawaii..... | 816 | 2,653 | 90 | 434 | 726 | 2,219 |
| | Idaho..... | 303 | 1,551 | 217 | 1,255 | 86 | 296 |
| | Illinois, total..... | 12,330 | 48,169 | 3,165 | 14,294 | 9,165 | 33,875 |
| 20 | Food and kindred products..... | 1,216 | 5,165 | 316 | 1,519 | 900 | 3,646 |
| 23 | Apparel and related products..... | 47 | 202 | 15 | 73 | 32 | 129 |
| 24 | Lumber and wood products..... | 58 | 270 | 26 | 147 | 32 | 123 |
| 25 | Furniture and fixtures..... | 140 | 569 | 32 | 153 | 108 | 416 |
| 26 | Paper and allied products..... | 421 | 1,696 | 136 | 565 | 286 | 1,131 |
| 27 | Printing and publishing..... | 273 | 1,034 | 36 | 171 | 237 | 863 |
| 28 | Chemicals and allied products..... | 899 | 3,451 | 259 | 1,072 | 640 | 2,379 |
| 29 | Petroleum and coal products..... | 204 | 736 | 54 | 220 | 150 | 516 |
| 30 | Rubber and plastics products, n.e.c..... | 235 | 872 | 30 | 132 | 206 | 740 |
| 32 | Stone, clay and glass products..... | 940 | 3,637 | 327 | 1,513 | 613 | 2,124 |
| 33 | Primary metal industries..... | 4,258 | 15,500 | 579 | 2,615 | 3,679 | 12,885 |
| 35 | Machinery, except electrical..... | 983 | 4,220 | 393 | 1,836 | 589 | 2,384 |
| 36 | Electrical machinery..... | 845 | 3,325 | 137 | 673 | 709 | 2,652 |
| 37 | Transportation equipment..... | 273 | 992 | 166 | 580 | 107 | 412 |
| 38 | Instruments and related products..... | 225 | 913 | 64 | 308 | 160 | 605 |
| 39 | Miscellaneous manufacturing, including ordnance..... | 193 | 876 | 61 | 302 | 131 | 574 |
| | Indiana, total..... | 9,646 | 34,382 | 1,585 | 6,917 | 8,061 | 27,465 |
| 20 | Food and kindred products..... | 286 | 1,201 | 129 | 627 | 157 | 574 |
| 23 | Apparel and related products..... | 20 | 89 | 12 | 56 | 8 | 33 |
| 25 | Furniture and fixtures..... | 81 | 374 | 42 | 219 | 39 | 155 |
| 26 | Paper and allied products..... | 116 | 456 | 54 | 217 | 62 | 239 |
| 27 | Printing and publishing..... | 64 | 265 | 29 | 139 | 35 | 126 |
| 28 | Chemicals and allied products..... | 159 | 582 | 52 | 246 | 107 | 336 |
| 30 | Rubber and plastics products, n.e.c..... | 70 | 288 | 28 | 116 | 43 | 172 |
| 32 | Stone, clay and glass products..... | 425 | 1,840 | 211 | 1,080 | 215 | 760 |
| 33 | Primary metal industries..... | 6,547 | 22,366 | 304 | 1,190 | 6,243 | 21,176 |
| 34 | Fabricated metal products..... | 283 | 1,208 | 161 | 749 | 123 | 459 |
| 35 | Machinery, except electrical..... | 270 | 946 | 197 | 672 | 74 | 274 |
| 36 | Electrical machinery..... | 210 | 734 | 82 | 354 | 129 | 380 |
| 37 | Transportation equipment..... | 373 | 1,437 | 118 | 533 | 256 | 904 |
| | Iowa, total..... | 745 | 3,015 | 269 | 1,328 | 476 | 1,687 |
| 20 | Food and kindred products..... | 222 | 927 | 84 | 423 | 138 | 504 |
| 36 | Electrical machinery..... | 75 | 287 | 6 | 30 | 69 | 257 |
| | Kansas, total..... | 427 | 1,177 | 125 | 453 | 302 | 724 |
| 20 | Food and kindred products..... | 112 | 309 | 30 | 109 | 82 | 200 |
| 28 | Chemicals and allied products..... | 123 | 359 | 26 | 114 | 98 | 245 |
| 32 | Stone, clay and glass products..... | 54 | 135 | 13 | 43 | 41 | 92 |
| | Kentucky, total..... | 402 | 1,715 | 198 | 944 | 204 | 771 |
| 20 | Food and kindred products..... | 52 | 240 | 32 | 157 | 20 | 83 |
| 21 | Tobacco products..... | 57 | 214 | - | - | 57 | 214 |
| 26 | Paper and allied products..... | 11 | 53 | (S) | (S) | (S) | (S) |
| | Louisiana..... | 79 | 363 | 67 | 319 | 12 | 44 |
| | Maine, total..... | 6,340 | 17,787 | 345 | 1,707 | 5,995 | 16,080 |
| 20 | Food and kindred products..... | 552 | 1,991 | 181 | 904 | 370 | 1,087 |
| 24 | Lumber and wood products..... | 43 | 203 | 40 | 191 | 3 | 12 |
| 26 | Paper and allied products..... | 4,367 | 11,507 | 20 | 95 | 4,347 | 11,412 |
| 31 | Leather and leather products..... | 218 | 674 | 13 | 69 | 204 | 605 |
| | Maryland, total..... | 7,385 | 21,557 | 1,058 | 4,313 | 6,326 | 17,244 |
| 20 | Food and kindred products..... | 774 | 2,447 | 165 | 670 | 610 | 1,777 |
| 23 | Apparel and related products..... | 29 | 138 | 18 | 89 | 11 | 49 |
| 26 | Paper and allied products..... | 104 | 310 | 20 | 72 | 84 | 238 |
| 28 | Chemicals and allied products..... | 921 | 2,956 | 249 | 795 | 672 | 2,161 |

See footnotes at end of table.

SUPPLEMENTAL TABLE 6. Residual and Distillate Fuel Oil Used for Heat and Power, by States and Selected Industry Groups: 1962—Continued

| Code | State and industry group | Total | | Distillate fuel oil | | Residual fuel oil | |
|------|--|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|
| | | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) |
| | Maryland—Continued | | | | | | |
| 30 | Rubber and plastics products, n.e.c..... | 143 | 382 | 8 | 48 | 135 | 334 |
| 33 | Primary metal industries..... | 3,270 | 9,126 | 262 | 1,125 | 3,008 | 8,001 |
| 34 | Fabricated metal products..... | 99 | 372 | 36 | 178 | 63 | 194 |
| 35 | Machinery, except electrical..... | 88 | 269 | 9 | 47 | 79 | 222 |
| 36 | Electrical machinery..... | 86 | 276 | 20 | 88 | 66 | 188 |
| 37 | Transportation equipment..... | 441 | 1,211 | 35 | 172 | 406 | 1,039 |
| | Massachusetts, total..... | 13,799 | 41,732 | 2,662 | 11,500 | 11,137 | 30,232 |
| 20 | Food and kindred products..... | 1,317 | 3,967 | 184 | 943 | 1,133 | 3,024 |
| 22 | Textile mill products..... | 1,442 | 4,321 | 104 | 547 | 1,338 | 3,774 |
| 23 | Apparel and related products..... | 50 | 205 | 19 | 107 | 31 | 98 |
| 25 | Furniture and fixtures..... | 79 | 309 | 28 | 151 | 52 | 158 |
| 26 | Paper and allied products..... | 2,934 | 8,026 | 317 | 1,029 | 2,618 | 6,997 |
| 27 | Printing and publishing..... | 124 | 433 | 28 | 144 | 96 | 289 |
| 28 | Chemicals and allied products..... | 1,253 | 3,492 | 124 | 586 | 1,129 | 2,906 |
| 30 | Rubber and plastics products, n.e.c..... | 665 | 1,851 | 59 | 245 | 605 | 1,606 |
| 31 | Leather and leather products..... | 408 | 1,138 | 21 | 92 | 386 | 1,046 |
| 33 | Primary metal industries..... | 810 | 2,796 | 450 | 1,726 | 360 | 1,070 |
| 34 | Fabricated metal products..... | 640 | 2,352 | 226 | 1,078 | 414 | 1,274 |
| 35 | Machinery, except electrical..... | 1,334 | 3,778 | 199 | 843 | 1,135 | 2,935 |
| 36 | Electrical machinery..... | 594 | 1,917 | 74 | 400 | 521 | 1,517 |
| 37 | Transportation equipment..... | 330 | 992 | 58 | 251 | 272 | 741 |
| 38 | Instruments and related products..... | 338 | 931 | 129 | 381 | 209 | 550 |
| 39 | Miscellaneous manufacturing, including ordnance. | 358 | 1,269 | 134 | 625 | 224 | 644 |
| | Michigan, total..... | 6,699 | 25,731 | 2,448 | 10,654 | 4,251 | 15,077 |
| 20 | Food and kindred products..... | 517 | 2,000 | 113 | 564 | 403 | 1,436 |
| 26 | Paper and allied products..... | 412 | 1,335 | 29 | 142 | 383 | 1,193 |
| 27 | Printing and publishing..... | 19 | 73 | 7 | 28 | 12 | 45 |
| 28 | Chemicals and allied products..... | 339 | 1,259 | 102 | 454 | 238 | 805 |
| 30 | Rubber and plastics products, n.e.c..... | 94 | 408 | 20 | 90 | 74 | 318 |
| 32 | Stone, clay and glass products..... | 368 | 1,376 | 138 | 590 | 230 | 786 |
| 33 | Primary metal industries..... | 3,051 | 11,658 | 1,384 | 5,676 | 1,667 | 5,982 |
| 34 | Fabricated metal products..... | 373 | 1,648 | 189 | 938 | 184 | 710 |
| 35 | Machinery, except electrical..... | 466 | 1,944 | 149 | 719 | 317 | 1,225 |
| 36 | Electrical machinery..... | 56 | 229 | 19 | 94 | 37 | 135 |
| 37 | Transportation equipment..... | 713 | 2,653 | 185 | 839 | 528 | 1,814 |
| | Minnesota, total..... | 1,775 | 6,912 | 368 | 1,942 | 1,407 | 4,970 |
| 20 | Food and kindred products..... | 836 | 3,065 | 118 | 644 | 718 | 2,421 |
| 26 | Paper and allied products..... | 36 | 148 | 11 | 52 | 25 | 96 |
| 28 | Chemicals and allied products..... | 72 | 294 | 39 | 184 | 32 | 110 |
| 32 | Stone, clay and glass products..... | 115 | 508 | 42 | 238 | 73 | 270 |
| 34 | Fabricated metal products..... | 70 | 351 | 38 | 214 | 32 | 137 |
| 35 | Machinery, except electrical..... | 83 | 352 | 27 | 154 | 57 | 198 |
| 37 | Transportation equipment..... | 65 | 234 | 7 | 31 | 58 | 203 |
| | Mississippi..... | 77 | 363 | 46 | 227 | 31 | 136 |
| | Missouri, total..... | 1,165 | 4,161 | 383 | 1,732 | 781 | 2,429 |
| 20 | Food and kindred products..... | 256 | 880 | 55 | 266 | 201 | 614 |
| 23 | Apparel and related products..... | 11 | 58 | 3 | 15 | 8 | 43 |
| 26 | Paper and allied products..... | 53 | 175 | 10 | 41 | 43 | 134 |
| 27 | Printing and publishing..... | 16 | 73 | 5 | 22 | 11 | 51 |
| 28 | Chemicals and allied products..... | 166 | 579 | 68 | 295 | 98 | 284 |
| 29 | Petroleum and coal products..... | 20 | 69 | 7 | 32 | 13 | 37 |
| 32 | Stone, clay and glass products..... | 117 | 466 | 57 | 253 | 60 | 213 |
| 33 | Primary metal industries..... | 157 | 480 | 25 | 119 | 132 | 361 |
| 34 | Fabricated metal products..... | 47 | 210 | 32 | 146 | 16 | 64 |
| 35 | Machinery, except electrical..... | 68 | 275 | 35 | 157 | 33 | 118 |
| 36 | Electrical machinery..... | 34 | 118 | 12 | 45 | 22 | 73 |
| 37 | Transportation equipment..... | 100 | 333 | 43 | 167 | 57 | 166 |
| 39 | Miscellaneous manufacturing, including ordnance. | 59 | 167 | 5 | 23 | 54 | 144 |

See footnotes at end of table.

SUPPLEMENTAL TABLE 6. Residual and Distillate Fuel Oil Used for Heat and Power, by States and Selected Industry Groups: 1962—Continued

| Code | State and industry group | Total | | Distillate fuel oil | | Residual fuel oil | |
|------|--|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|
| | | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) |
| | Nebraska, total..... | 171 | 664 | 114 | 476 | 57 | 188 |
| 20 | Food and kindred products..... | 80 | 314 | 35 | 159 | 46 | 155 |
| 28 | Chemicals and allied products..... | 27 | 98 | 27 | 98 | - | - |
| | Nevada..... | 323 | 1,274 | 31 | 173 | 292 | 1,101 |
| | New Hampshire, total..... | 1,871 | 5,807 | 493 | 1,850 | 1,378 | 3,957 |
| 22 | Textile mill products..... | 613 | 1,794 | 84 | 287 | 529 | 1,507 |
| 24 | Lumber and wood products..... | 63 | 299 | 44 | 240 | 19 | 59 |
| 26 | Paper and allied products..... | 592 | 1,718 | 211 | 614 | 381 | 1,104 |
| 31 | Leather and leather products..... | 164 | 500 | 20 | 91 | 144 | 409 |
| 32 | Stone, clay and glass products..... | 102 | 277 | 7 | 26 | 95 | 251 |
| 35 | Machinery, except electrical..... | 73 | 260 | 18 | 75 | 55 | 185 |
| | New Jersey, total..... | 27,484 | 73,809 | 5,075 | 19,550 | 22,409 | 54,259 |
| 20 | Food and kindred products..... | 2,290 | 6,293 | 421 | 1,643 | 1,869 | 4,650 |
| 23 | Apparel and related products..... | 123 | 585 | 108 | 535 | 15 | 50 |
| 24 | Lumber and wood products..... | 58 | 176 | 15 | 69 | 42 | 107 |
| 25 | Furniture and fixtures..... | 44 | 163 | 22 | 107 | 22 | 56 |
| 26 | Paper and allied products..... | 2,046 | 4,955 | 79 | 261 | 1,967 | 4,694 |
| 27 | Printing and publishing..... | 177 | 618 | 76 | 352 | 101 | 266 |
| 28 | Chemicals and allied products..... | 6,519 | 16,996 | 1,478 | 4,622 | 5,040 | 12,374 |
| 29 | Petroleum and coal products..... | 5,244 | 11,631 | 49 | 237 | 5,194 | 11,394 |
| 30 | Rubber and plastics products, n.e.c..... | 635 | 1,937 | 192 | 825 | 442 | 1,112 |
| 31 | Leather and leather products..... | 131 | 345 | 39 | 113 | 92 | 232 |
| 32 | Stone, clay and glass products..... | 2,183 | 6,846 | 518 | 2,518 | 1,665 | 4,328 |
| 33 | Primary metal industries..... | 2,744 | 7,787 | 646 | 2,566 | 2,098 | 5,221 |
| 34 | Fabricated metal products..... | 771 | 2,695 | 414 | 1,778 | 357 | 917 |
| 35 | Machinery, except electrical..... | 747 | 2,405 | 264 | 1,203 | 484 | 1,202 |
| 36 | Electrical machinery..... | 992 | 2,780 | 293 | 1,027 | 699 | 1,753 |
| 37 | Transportation equipment..... | 666 | 1,820 | 217 | 706 | 449 | 1,114 |
| 38 | Instruments and related products..... | 232 | 719 | 74 | 321 | 158 | 398 |
| 39 | Miscellaneous manufacturing, including ordnance..... | 181 | 662 | 104 | 454 | 77 | 208 |
| | New York, total..... | 15,434 | 53,090 | 4,772 | 21,549 | 10,662 | 31,541 |
| 20 | Food and kindred products..... | 2,790 | 9,774 | 954 | 4,493 | 1,836 | 5,281 |
| 22 | Textile mill products..... | 723 | 2,323 | 158 | 727 | 565 | 1,596 |
| 23 | Apparel and related products..... | 140 | 678 | 93 | 493 | 47 | 185 |
| 24 | Lumber and wood products..... | 78 | 354 | 55 | 282 | 23 | 72 |
| 25 | Furniture and fixtures..... | 140 | 610 | 73 | 375 | 67 | 235 |
| 26 | Paper and allied products..... | 1,405 | 4,193 | 180 | 792 | 1,226 | 3,401 |
| 27 | Printing and publishing..... | 228 | 881 | 80 | 380 | 148 | 501 |
| 28 | Chemicals and allied products..... | 1,150 | 3,452 | 208 | 908 | 942 | 2,544 |
| 30 | Rubber and plastics products, n.e.c..... | 144 | 492 | 36 | 167 | 108 | 325 |
| 31 | Leather and leather products..... | 125 | 400 | 34 | 163 | 91 | 237 |
| 32 | Stone, clay and glass products..... | 1,338 | 4,256 | 379 | 1,754 | 959 | 2,502 |
| 33 | Primary metal industries..... | 3,466 | 12,420 | 926 | 4,019 | 2,541 | 8,401 |
| 34 | Fabricated metal products..... | 571 | 2,220 | 237 | 1,178 | 334 | 1,042 |
| 35 | Machinery, except electrical..... | 721 | 2,456 | 380 | 1,418 | 341 | 1,038 |
| 36 | Electrical machinery..... | 714 | 2,472 | 272 | 1,213 | 442 | 1,259 |
| 37 | Transportation equipment..... | 782 | 2,531 | 154 | 725 | 629 | 1,806 |
| 38 | Instruments and related products..... | 238 | 862 | 66 | 298 | 172 | 564 |
| 39 | Miscellaneous manufacturing, including ordnance..... | 323 | 1,204 | 166 | 789 | 157 | 415 |
| | North Carolina, total..... | 2,710 | 9,820 | 820 | 4,053 | 1,890 | 5,767 |
| 20 | Food and kindred products..... | 261 | 1,210 | 171 | 930 | 90 | 280 |
| 21 | Tobacco products..... | 80 | 278 | 11 | 42 | 69 | 236 |
| 22 | Textile mill products..... | 834 | 3,078 | 213 | 943 | 621 | 2,135 |
| 23 | Apparel and related products..... | 61 | 295 | 36 | 205 | 25 | 90 |
| 24 | Lumber and wood products..... | 134 | 616 | 76 | 390 | 58 | 226 |
| 25 | Furniture and fixtures..... | 43 | 175 | 23 | 102 | 20 | 73 |
| 26 | Paper and allied products..... | 879 | 2,314 | 8 | 49 | 871 | 2,265 |
| 28 | Chemicals and allied products..... | 57 | 256 | 40 | 197 | 17 | 59 |
| 32 | Stone, clay and glass products..... | 158 | 727 | 115 | 580 | 43 | 147 |

See footnotes at end of table.

SUPPLEMENTAL TABLE 6. Residual and Distillate Fuel Oil Used for Heat and Power, by States and Selected Industry Groups: 1962—Continued

| Code | State and industry group | Total | | Distillate fuel oil | | Residual fuel oil | |
|------|--|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|
| | | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) |
| | North Dakota..... | 57 | 334 | 44 | 259 | 13 | 75 |
| | Ohio, total..... | 8,193 | 30,090 | 2,322 | 9,842 | 5,871 | 20,248 |
| 20 | Food and kindred products..... | 450 | 1,807 | 210 | 902 | 240 | 905 |
| 25 | Furniture and fixtures..... | 13 | 60 | (S) | (S) | (S) | (S) |
| 26 | Paper and allied products..... | 159 | 666 | 70 | 320 | 89 | 346 |
| 28 | Chemicals and allied products..... | 298 | 1,204 | 201 | 845 | 98 | 359 |
| 30 | Rubber and plastics products, n.e.c..... | 87 | 379 | 49 | 226 | 38 | 153 |
| 32 | Stone, clay and glass products..... | 127 | 582 | 95 | 458 | 32 | 124 |
| 33 | Primary metal industries..... | 5,527 | 21,013 | 1,201 | 4,651 | 4,327 | 16,362 |
| 35 | Machinery, except electrical..... | 227 | 1,014 | 107 | 535 | 119 | 479 |
| 37 | Transportation equipment..... | 204 | 825 | 64 | 288 | 141 | 537 |
| | Oklahoma..... | 27 | 71 | (S) | (S) | (S) | (S) |
| | Oregon, total..... | 2,097 | 7,546 | 535 | 2,678 | 1,562 | 4,868 |
| 20 | Food and kindred products..... | 311 | 1,105 | 111 | 499 | 200 | 606 |
| 24 | Lumber and wood products..... | 630 | 2,662 | 322 | 1,650 | 307 | 1,012 |
| 26 | Paper and allied products..... | 576 | 1,441 | (S) | (S) | (S) | (S) |
| 29 | Petroleum and coal products..... | 49 | 124 | - | - | 49 | 124 |
| 32 | Stone, clay and glass products..... | 201 | 725 | 12 | 54 | 189 | 671 |
| 33 | Primary metal industries..... | 156 | 565 | 12 | 68 | 144 | 497 |
| 34 | Fabricated metal products..... | 34 | 149 | 14 | 72 | 20 | 77 |
| 37 | Transportation equipment..... | 26 | 104 | 14 | 55 | 12 | 49 |
| | Pennsylvania, total..... | 21,969 | 70,913 | 4,862 | 21,088 | 17,107 | 49,825 |
| 20 | Food and kindred products..... | 1,541 | 5,049 | 405 | 2,004 | 1,135 | 3,045 |
| 21 | Tobacco products..... | 60 | 190 | 21 | 72 | 39 | 118 |
| 22 | Textile mill products..... | 1,024 | 3,248 | 211 | 905 | 813 | 2,343 |
| 23 | Apparel and related products..... | 242 | 817 | 65 | 333 | 177 | 484 |
| 25 | Furniture and fixtures..... | 95 | 360 | 20 | 103 | 75 | 257 |
| 27 | Printing and publishing..... | 143 | 570 | 48 | 243 | 95 | 327 |
| 28 | Chemicals and allied products..... | 2,384 | 6,122 | 240 | 977 | 2,144 | 5,145 |
| 29 | Petroleum and coal products..... | 244 | 786 | 113 | 474 | 130 | 312 |
| 30 | Rubber and plastics products, n.e.c..... | 338 | 940 | 10 | 69 | 329 | 871 |
| 31 | Leather and leather products..... | 118 | 422 | 34 | 171 | 84 | 251 |
| 34 | Fabricated metal products..... | 936 | 3,413 | 361 | 1,641 | 576 | 1,772 |
| 35 | Machinery, except electrical..... | 1,004 | 3,207 | 267 | 1,166 | 737 | 2,041 |
| 36 | Electrical machinery..... | 590 | 1,934 | 158 | 692 | 432 | 1,242 |
| 37 | Transportation equipment..... | 469 | 1,627 | 197 | 821 | 272 | 806 |
| 39 | Miscellaneous manufacturing, including ordnance..... | 230 | 866 | 97 | 510 | 134 | 356 |
| | Rhode Island, total..... | 3,284 | 9,400 | 441 | 1,945 | 2,843 | 7,455 |
| 20 | Food and kindred products..... | 148 | 479 | 21 | 134 | 127 | 345 |
| 22 | Textile mill products..... | 1,093 | 3,012 | 79 | 386 | 1,014 | 2,626 |
| 34 | Fabricated metal products..... | 161 | 396 | 111 | 243 | 50 | 153 |
| 35 | Machinery, except electrical..... | 101 | 269 | 26 | 89 | 75 | 180 |
| 39 | Miscellaneous manufacturing, including ordnance..... | 103 | 364 | 16 | 87 | 87 | 277 |
| | South Carolina, total..... | 2,854 | 8,223 | 439 | 2,000 | 2,415 | 6,223 |
| 20 | Food and kindred products..... | 54 | 260 | 36 | 195 | 18 | 65 |
| 22 | Textile mill products..... | 385 | 1,340 | 82 | 315 | 303 | 1,025 |
| 23 | Apparel and related products..... | 39 | 203 | 24 | 139 | 14 | 64 |
| 24 | Lumber and wood products..... | 150 | 682 | 102 | 480 | 48 | 202 |
| 28 | Chemicals and allied products..... | 104 | 417 | 78 | 339 | 26 | 78 |
| | Tennessee, total..... | 604 | 2,681 | 386 | 1,927 | 219 | 754 |
| 22 | Textile mill products..... | 18 | 99 | 8 | 37 | 10 | 62 |
| 26 | Paper and allied products..... | 100 | 321 | 6 | 22 | 94 | 299 |
| | Texas..... | 670 | 2,081 | 543 | 1,713 | 126 | 368 |
| | Utah, total..... | 906 | 2,692 | 642 | 1,931 | 264 | 761 |
| 32 | Stone, clay and glass products..... | 123 | 347 | 15 | 73 | 108 | 274 |

See footnotes at end of table.

SUPPLEMENTAL TABLE 6. Residual and Distillate Fuel Oil Used for Heat and Power, by States and Selected Industry Groups: 1962—Continued

| Code | State and industry group | Total | | Distillate fuel oil | | Residual fuel oil | |
|------|-------------------------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|
| | | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) |
| | Vermont, total..... | 716 | 2,747 | 194 | 1,038 | 522 | 1,709 |
| 26 | Paper and allied products..... | 63 | 225 | 7 | 50 | 56 | 175 |
| 32 | Stone, clay and glass products..... | 85 | 376 | 43 | 243 | 42 | 133 |
| 35 | Machinery, except electrical..... | 42 | 167 | 18 | 71 | 24 | 96 |
| | Virginia, total..... | 2,489 | 9,208 | 1,062 | 4,913 | 1,428 | 4,295 |
| 20 | Food and kindred products..... | 503 | 1,603 | 109 | 524 | 394 | 1,079 |
| 21 | Tobacco products..... | 134 | 409 | 8 | 31 | 126 | 378 |
| 22 | Textile mill products..... | 75 | 305 | 24 | 116 | 51 | 189 |
| 23 | Apparel and related products..... | 58 | 267 | 18 | 92 | 40 | 175 |
| 25 | Furniture and fixtures..... | 17 | 96 | 17 | 96 | - | - |
| 26 | Paper and allied products..... | 462 | 1,537 | 117 | 541 | 345 | 996 |
| 27 | Printing and publishing..... | 18 | 66 | 2 | 11 | 16 | 55 |
| 28 | Chemicals and allied products..... | 246 | 898 | 135 | 602 | 111 | 296 |
| 32 | Stone, clay and glass products..... | 249 | 945 | 118 | 536 | 131 | 409 |
| | Washington, total..... | 4,971 | 13,526 | 490 | 2,448 | 4,481 | 11,078 |
| 20 | Food and kindred products..... | 450 | 1,543 | 71 | 289 | 379 | 1,254 |
| 24 | Lumber and wood products..... | 444 | 2,090 | 286 | 1,560 | 157 | 530 |
| 26 | Paper and allied products..... | 2,723 | 6,086 | 28 | 74 | 2,696 | 6,012 |
| 28 | Chemicals and allied products..... | 307 | 860 | 2 | 9 | 305 | 851 |
| 33 | Primary metal industries..... | 298 | 777 | 18 | 91 | 280 | 686 |
| 34 | Fabricated metal products..... | 112 | 351 | 21 | 105 | 91 | 246 |
| 37 | Transportation equipment..... | 269 | 775 | (S) | (S) | (S) | (S) |
| | West Virginia, total..... | 921 | 3,177 | 847 | 2,930 | 75 | 247 |
| 32 | Stone, clay and glass products..... | 13 | 66 | 13 | 66 | - | - |
| | Wisconsin, total..... | 2,642 | 11,190 | 965 | 4,675 | 1,677 | 6,515 |
| 20 | Food and kindred products..... | 889 | 3,609 | 226 | 1,099 | 663 | 2,510 |
| 22 | Textile mill products..... | 16 | 70 | 4 | 20 | 12 | 50 |
| 24 | Lumber and wood products..... | 50 | 245 | 34 | 167 | 16 | 78 |
| 26 | Paper and allied products..... | 282 | 1,158 | 87 | 436 | 195 | 722 |
| 28 | Chemicals and allied products..... | 53 | 213 | 12 | 56 | 41 | 157 |
| 31 | Leather and leather products..... | 37 | 163 | 7 | 34 | 30 | 129 |
| 33 | Primary metal industries..... | 220 | 966 | 80 | 393 | 140 | 573 |
| 34 | Fabricated metal products..... | 174 | 777 | 83 | 394 | 91 | 383 |
| 35 | Machinery, except electrical..... | 322 | 1,396 | 128 | 611 | 193 | 785 |
| 36 | Electrical machinery..... | 71 | 327 | 56 | 267 | 15 | 60 |
| 37 | Transportation equipment..... | 128 | 541 | 71 | 324 | 57 | 217 |

Note: Detail figures may not add to totals because of independent rounding. State totals include the estimates for all component major industry groups, regardless of whether or not data are shown for the individual major groups.

- Represents zero. n.e.c. Not elsewhere classified. (S) Withheld because the estimate did not meet publication standards for one or more of the following reasons: The standard error associated with the figure was too high (generally in excess of 25 percent); cost of fuel less than \$50 thousand; to avoid disclosing figures of individual companies; or on the basis of a general consistency review.

SUPPLEMENTAL TABLE 7. Residual and Distillate Fuel Oil Used for Heat and Power, by Selected SMSA's and Industry Groups: 1962

(Selected standard metropolitan statistical areas are those with 40,000 or more manufacturing employees)

| Code | Standard consolidated area, standard metropolitan statistical area, and industry group | Total | | Distillate fuel oil | | Residual fuel oil | |
|------|--|--------------------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|
| | | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) |
| | STANDARD CONSOLIDATED AREAS | | | | | | |
| | Chicago, Ill.-Northwestern Indiana, total..... | 15,612 | 58,761 | 2,627 | 11,692 | 12,985 | 47,069 |
| 28 | Chemicals and allied products..... | 692 | 2,599 | 130 | 595 | 562 | 2,004 |
| 33 | Primary metal industries..... | 9,028 | 32,173 | 630 | 2,712 | 8,398 | 29,461 |
| 34 | Fabricated metal products..... | 877 | 3,736 | 426 | 1,934 | 451 | 1,802 |
| 39 | Miscellaneous manufacturing, including ordnance. | 162 | 743 | 46 | 231 | 117 | 512 |
| | New York, N.Y.-Northeastern New Jersey, total ¹ ... | 21,831 | 62,405 | 4,870 | 20,359 | 16,962 | 42,046 |
| 20 | Food and kindred products..... | 3,230 | 9,700 | 716 | 3,282 | 2,516 | 6,418 |
| 22 | Textile mill products..... | 1,742 | 4,797 | 179 | 763 | 1,563 | 4,034 |
| 23 | Apparel and related products..... | 141 | 689 | 113 | 576 | 28 | 113 |
| 25 | Furniture and fixtures..... | 105 | 486 | 74 | 379 | 30 | 107 |
| 26 | Paper and allied products..... | 1,597 | 4,120 | 138 | 589 | 1,459 | 3,531 |
| 27 | Printing and publishing..... | 241 | 959 | 120 | 563 | 121 | 396 |
| 28 | Chemicals and allied products..... | 4,355 | 11,443 | 1,075 | 3,231 | 3,279 | 8,212 |
| 30 | Rubber and plastics products, n.e.c..... | 335 | 1,105 | 119 | 524 | 216 | 581 |
| 31 | Leather and leather products..... | 103 | 252 | 37 | 115 | 65 | 137 |
| 32 | Stone, clay and glass products..... | 707 | 2,568 | 237 | 1,319 | 469 | 1,249 |
| 33 | Primary metal industries..... | 1,304 | 4,016 | 360 | 1,479 | 945 | 2,537 |
| 34 | Fabricated metal products..... | 613 | 2,316 | 323 | 1,546 | 290 | 770 |
| 35 | Machinery, except electrical..... | 586 | 2,171 | 260 | 1,297 | 326 | 874 |
| 36 | Electrical machinery..... | 865 | 2,756 | 310 | 1,302 | 555 | 1,454 |
| 37 | Transportation equipment..... | 935 | 2,736 | 291 | 1,030 | 644 | 1,706 |
| 38 | Instruments and related products..... | 290 | 962 | 79 | 363 | 211 | 599 |
| 39 | Miscellaneous manufacturing, including ordnance. | 397 | 1,437 | 196 | 913 | 202 | 524 |
| | STANDARD METROPOLITAN STATISTICAL AREAS | | | | | | |
| | Albany-Schenectady-Troy, N.Y., total..... | 1,089 | 3,599 | 253 | 1,213 | 836 | 2,386 |
| 26 | Paper and allied products..... | 366 | 975 | 23 | 63 | 343 | 912 |
| 32 | Stone, clay and glass products..... | 117 | 343 | 38 | 138 | 79 | 205 |
| | Allentown-Bethlehem-Easton, Pa.-N.J., total..... | 2,236 | 7,604 | 666 | 2,818 | 1,570 | 4,786 |
| 20 | Food and kindred products..... | 59 | 226 | 23 | 105 | 37 | 121 |
| 34 | Fabricated metal products..... | 100 | 360 | 36 | 158 | 64 | 202 |
| 35 | Machinery, except electrical..... | 144 | 401 | 37 | 148 | 108 | 253 |
| 36 | Electrical machinery..... | 80 | 250 | 17 | 64 | 63 | 186 |
| | Atlanta, Ga..... | 123 | 542 | 99 | 446 | 24 | 96 |
| | Baltimore, Md., total..... | 6,643 | 18,982 | 846 | 3,291 | 5,797 | 15,691 |
| 20 | Food and kindred products..... | 492 | 1,396 | 103 | 338 | 389 | 1,058 |
| 23 | Apparel and related products..... | 21 | 96 | 11 | 52 | 10 | 44 |
| 26 | Paper and allied products..... | 96 | 275 | 13 | 43 | 83 | 232 |
| 28 | Chemicals and allied products..... | 877 | 2,803 | 237 | 730 | 640 | 2,073 |
| 33 | Primary metal industries..... | 3,270 | 9,126 | 262 | 1,125 | 3,008 | 8,001 |
| 34 | Fabricated metal products..... | 92 | 344 | 35 | 174 | 57 | 170 |
| 35 | Machinery, except electrical..... | 83 | 249 | 9 | 47 | 74 | 202 |
| 36 | Electrical machinery..... | 72 | 216 | 13 | 45 | 60 | 171 |
| 37 | Transportation equipment..... | 294 | 825 | 14 | 78 | 280 | 747 |
| | Birmingham, Ala., total..... | 592 | 2,045 | 550 | 1,895 | 43 | 150 |
| 33 | Primary metal industries..... | 540 | 1,840 | 540 | 1,840 | - | - |
| | Boston, Mass., total..... | 6,102 | 17,936 | 961 | 4,318 | 5,141 | 13,618 |
| 20 | Food and kindred products..... | 921 | 2,472 | 50 | 240 | 872 | 2,232 |
| 23 | Apparel and related products..... | 22 | 83 | 3 | 20 | 18 | 63 |
| 26 | Paper and allied products..... | 713 | 1,904 | 4 | 19 | 709 | 1,885 |
| 30 | Rubber and plastics products, n.e.c..... | 399 | 1,046 | 20 | 61 | 379 | 985 |
| 31 | Leather and leather products..... | 315 | 849 | 14 | 67 | 301 | 782 |
| 34 | Fabricated metal products..... | 269 | 940 | 74 | 364 | 194 | 576 |

See footnotes at end of table.

SUPPLEMENTAL TABLE 7. Residual and Distillate Fuel Oil Used for Heat and Power, by Selected SMSA's and Industry Groups: 1962—Continued

(Selected standard metropolitan statistical areas are those with 40,000 or more manufacturing employees)

| Code | Standard consolidated area, standard metropolitan statistical area, and industry group | Total | | Distillate fuel oil | | Residual fuel oil | |
|------|--|--------------------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|
| | | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) |
| | STANDARD METROPOLITAN STATISTICAL AREAS—Con. | | | | | | |
| | Boston, Mass.—Con. | | | | | | |
| 35 | Machinery, except electrical..... | 814 | 2,109 | 39 | 191 | 775 | 1,918 |
| 36 | Electrical machinery..... | 280 | 946 | 46 | 240 | 234 | 706 |
| 37 | Transportation equipment..... | 301 | 866 | 44 | 173 | 257 | 693 |
| 38 | Instruments and related products..... | 196 | 542 | 117 | 321 | 80 | 221 |
| | Bridgeport, Conn., total..... | 1,378 | 3,919 | 260 | 1,065 | 1,118 | 2,854 |
| 30 | Rubber and plastics products, n.e.c..... | 253 | 631 | (S) | (S) | (S) | (S) |
| 33 | Primary metal industries..... | 185 | 507 | 22 | 105 | 163 | 402 |
| 34 | Fabricated metal products..... | 90 | 299 | 27 | 119 | 63 | 180 |
| 35 | Machinery, except electrical..... | 135 | 385 | 73 | 214 | 63 | 171 |
| | Buffalo, N.Y., total..... | 2,987 | 10,991 | 610 | 2,795 | 2,378 | 8,196 |
| 20 | Food and kindred products..... | 187 | 733 | 75 | 329 | 112 | 404 |
| 26 | Paper and allied products..... | 94 | 318 | 12 | 47 | 81 | 271 |
| 32 | Stone, clay and glass products..... | 127 | 612 | 87 | 472 | 40 | 140 |
| 33 | Primary metal industries..... | 1,855 | 6,682 | 224 | 1,000 | 1,631 | 5,682 |
| 34 | Fabricated metal products..... | 121 | 477 | 36 | 172 | 85 | 305 |
| 35 | Machinery, except electrical..... | 59 | 250 | 34 | 156 | 25 | 94 |
| 37 | Transportation equipment..... | 219 | 767 | 34 | 183 | 185 | 584 |
| | Canton, Ohio..... | 429 | 1,686 | 98 | 433 | 331 | 1,253 |
| | Chattanooga, Tenn.-Ga., total..... | 57 | 235 | 22 | 116 | 35 | 119 |
| 34 | Fabricated metal products..... | 13 | 67 | 13 | 67 | - | - |
| | Chicago, Ill., total..... | 9,174 | 36,408 | 2,296 | 10,328 | 6,878 | 26,080 |
| 20 | Food and kindred products..... | 796 | 3,301 | 152 | 749 | 644 | 2,552 |
| 23 | Apparel and related products..... | 43 | 178 | 12 | 58 | 31 | 120 |
| 25 | Furniture and fixtures..... | 140 | 569 | 32 | 153 | 108 | 416 |
| 27 | Printing and publishing..... | 240 | 893 | 35 | 163 | 206 | 730 |
| 28 | Chemicals and allied products..... | 624 | 2,391 | 123 | 556 | 502 | 1,835 |
| 32 | Stone, clay and glass products..... | 483 | 1,994 | 195 | 920 | 289 | 1,074 |
| 33 | Primary metal industries..... | 2,963 | 11,326 | 433 | 1,922 | 2,530 | 9,404 |
| 34 | Fabricated metal products..... | 811 | 3,458 | 386 | 1,746 | 425 | 1,712 |
| 35 | Machinery, except electrical..... | 846 | 3,615 | 330 | 1,520 | 516 | 2,095 |
| 36 | Electrical machinery..... | 743 | 2,926 | 123 | 607 | 620 | 2,319 |
| 37 | Transportation equipment..... | 209 | 739 | 157 | 538 | 52 | 201 |
| 39 | Miscellaneous manufacturing, including ordnance..... | 162 | 743 | 46 | 231 | 117 | 512 |
| | Cincinnati, Ohio-Ky., total..... | 320 | 1,237 | 101 | 447 | 218 | 790 |
| 28 | Chemicals and allied products..... | 59 | 222 | 25 | 105 | 34 | 117 |
| | Cleveland, Ohio, total..... | 1,636 | 6,348 | 433 | 1,937 | 1,202 | 4,411 |
| 33 | Primary metal industries..... | 1,182 | 3,894 | 108 | 492 | 1,074 | 3,402 |
| 35 | Machinery, except electrical..... | 45 | 193 | 15 | 73 | 30 | 120 |
| | Dallas, Tex..... | 7 | 30 | 5 | 23 | 2 | 7 |
| | Denver, Colo..... | 218 | 699 | 58 | 264 | 160 | 435 |
| | Detroit, Mich., total..... | 3,691 | 14,534 | 1,819 | 7,764 | 1,872 | 6,770 |
| 20 | Food and kindred products..... | 157 | 634 | 60 | 290 | 97 | 344 |
| 28 | Chemicals and allied products..... | 116 | 457 | 68 | 294 | 48 | 163 |
| 32 | Stone, clay and glass products..... | 79 | 368 | 60 | 296 | 19 | 72 |
| 33 | Primary metal industries..... | 2,346 | 9,079 | 1,301 | 5,335 | 1,045 | 3,744 |
| 34 | Fabricated metal products..... | 191 | 901 | 141 | 677 | 50 | 224 |
| 35 | Machinery, except electrical..... | 246 | 1,021 | 71 | 343 | 175 | 678 |
| 37 | Transportation equipment..... | 370 | 1,308 | 69 | 320 | 300 | 988 |

See footnotes at end of table.

SUPPLEMENTAL TABLE 7. Residual and Distillate Fuel Oil Used for Heat and Power, by Selected SMSA's and Industry Groups: 1962—Continued

(Selected standard metropolitan statistical areas are those with 40,000 or more manufacturing employees)

| Code | Standard consolidated area, standard metropolitan statistical area, and industry group | Total | | Distillate fuel oil | | Residual fuel oil | |
|------|--|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|
| | | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) |
| | STANDARD METROPOLITAN STATISTICAL AREAS—Con. | | | | | | |
| | Gary-Hammond-East Chicago, Ind., total..... | 6,468 | 22,353 | 331 | 1,364 | 6,137 | 20,989 |
| 28 | Chemicals and allied products..... | 68 | 208 | 7 | 39 | 60 | 169 |
| 33 | Primary metal industries..... | 6,065 | 20,847 | 197 | 790 | 5,868 | 20,057 |
| 34 | Fabricated metal products..... | 66 | 278 | 41 | 188 | 26 | 90 |
| | Grand Rapids, Mich..... | 112 | 449 | 20 | 107 | 92 | 342 |
| | Greensboro-High Point, N.C., total..... | 137 | 554 | 78 | 382 | 58 | 172 |
| 22 | Textile mill products..... | 38 | 110 | 6 | 30 | 32 | 80 |
| | Hartford, Conn., total..... | 1,457 | 4,397 | 207 | 1,048 | 1,250 | 3,349 |
| 20 | Food and kindred products..... | 50 | 177 | 27 | 111 | 24 | 66 |
| 34 | Fabricated metal products..... | 58 | 226 | 22 | 120 | 37 | 106 |
| 35 | Machinery, except electrical..... | 231 | 790 | 62 | 314 | 169 | 476 |
| | Indianapolis, Ind., total..... | 486 | 1,961 | 242 | 1,090 | 243 | 871 |
| 20 | Food and kindred products..... | 56 | 249 | 43 | 201 | 13 | 48 |
| 35 | Machinery, except electrical..... | 39 | 180 | 39 | 180 | - | - |
| | Jersey City, N.J., total..... | 3,755 | 9,672 | 502 | 2,012 | 3,253 | 7,660 |
| 20 | Food and kindred products..... | 609 | 1,740 | 162 | 647 | 447 | 1,093 |
| 26 | Paper and allied products..... | 191 | 465 | 29 | 74 | 162 | 391 |
| 28 | Chemicals and allied products..... | 582 | 1,518 | 100 | 365 | 482 | 1,153 |
| 33 | Primary metal industries..... | 157 | 453 | 52 | 208 | 105 | 245 |
| 35 | Machinery, except electrical..... | 129 | 387 | 30 | 141 | 99 | 246 |
| 36 | Electrical machinery..... | 92 | 239 | 8 | 37 | 84 | 202 |
| | Kansas City, Mo.-Kans..... | 515 | 1,482 | 78 | 331 | 437 | 1,151 |
| | Lancaster, Pa., total..... | 438 | 1,708 | 191 | 937 | 247 | 771 |
| 20 | Food and kindred products..... | 72 | 302 | 49 | 225 | 23 | 77 |
| 34 | Fabricated metal products..... | 46 | 147 | 9 | 46 | 36 | 101 |
| | Lawrence-Haverhill, Mass.-N.H..... | 562 | 1,572 | 52 | 264 | 510 | 1,308 |
| | Los Angeles-Long Beach, Calif., total..... | 643 | 1,812 | 86 | 394 | 557 | 1,418 |
| 20 | Food and kindred products..... | 91 | 270 | 19 | 86 | 72 | 184 |
| 28 | Chemicals and allied products..... | 220 | 433 | 3 | 16 | 217 | 417 |
| 37 | Transportation equipment..... | 126 | 418 | 17 | 66 | 108 | 352 |
| | Louisville, Ky.-Ind., total..... | 196 | 819 | 97 | 432 | 99 | 387 |
| 20 | Food and kindred products..... | 45 | 186 | 26 | 106 | 20 | 80 |
| | Memphis, Tenn.,-Ark..... | 100 | 349 | 38 | 175 | 62 | 174 |
| | Miami, Fla., total..... | 779 | 2,059 | 149 | 590 | 629 | 1,469 |
| 20 | Food and kindred products..... | 61 | 222 | 35 | 152 | 26 | 70 |
| | Milwaukee, Wis., total..... | 814 | 3,511 | 252 | 1,227 | 563 | 2,284 |
| 33 | Primary metal industries..... | 157 | 650 | 36 | 181 | 121 | 469 |
| 34 | Fabricated metal products..... | 90 | 389 | 26 | 119 | 64 | 270 |
| 35 | Machinery, except electrical..... | 189 | 795 | 41 | 195 | 147 | 600 |
| | Minneapolis-St. Paul, Minn., total..... | 723 | 2,744 | 190 | 953 | 533 | 1,791 |
| 20 | Food and kindred products..... | 221 | 707 | 22 | 99 | 199 | 608 |
| 28 | Chemicals and allied products..... | 65 | 262 | 33 | 154 | 32 | 108 |
| 34 | Fabricated metal products..... | 57 | 276 | 28 | 162 | 29 | 114 |
| 35 | Machinery, except electrical..... | 53 | 217 | 18 | 94 | 35 | 123 |
| 37 | Transportation equipment..... | 62 | 222 | 6 | 26 | 57 | 196 |

See footnotes at end of table.

SUPPLEMENTAL TABLE 7. Residual and Distillate Fuel Oil Used for Heat and Power, by Selected SMSA's and Industry Groups: 1962—Continued

(Selected standard metropolitan statistical areas are those with 40,000 or more manufacturing employees)

| Code | Standard consolidated area, standard metropolitan statistical area, and industry group | Total | | Distillate fuel oil | | Residual fuel oil | |
|------|--|--------------------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|
| | | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) |
| | STANDARD METROPOLITAN STATISTICAL AREAS—Con. | | | | | | |
| | New Haven, Conn., total..... | 1,308 | 3,491 | 143 | 636 | 1,165 | 2,855 |
| 33 | Primary metal industries..... | 91 | 269 | 9 | 44 | 82 | 225 |
| 34 | Fabricated metal products..... | 80 | 295 | 62 | 244 | 18 | 51 |
| | New York, N.Y., total..... | 5,978 | 20,427 | 1,933 | 9,325 | 4,044 | 11,102 |
| 20 | Food and kindred products..... | 1,617 | 5,360 | 447 | 2,200 | 1,171 | 3,160 |
| 22 | Textile mill products..... | 224 | 889 | 133 | 625 | 91 | 264 |
| 25 | Furniture and fixtures..... | 83 | 397 | 62 | 316 | 21 | 81 |
| 26 | Paper and allied products..... | 375 | 1,156 | 83 | 412 | 292 | 744 |
| 27 | Printing and publishing..... | 128 | 568 | 65 | 330 | 63 | 238 |
| 28 | Chemicals and allied products..... | 560 | 1,601 | 82 | 352 | 478 | 1,249 |
| 30 | Rubber and plastics products, n.e.c..... | 94 | 306 | 24 | 114 | 70 | 192 |
| 32 | Stone, clay and glass products..... | 392 | 1,346 | 128 | 615 | 265 | 731 |
| 33 | Primary metal industries..... | 620 | 1,899 | 104 | 462 | 517 | 1,437 |
| 34 | Fabricated metal products..... | 247 | 906 | 98 | 491 | 149 | 415 |
| 35 | Machinery, except electrical..... | 107 | 485 | 42 | 277 | 64 | 208 |
| 36 | Electrical machinery..... | 327 | 1,175 | 157 | 717 | 170 | 458 |
| 37 | Transportation equipment..... | 467 | 1,424 | 87 | 393 | 380 | 1,031 |
| 38 | Instruments and related products..... | 145 | 520 | 34 | 165 | 110 | 355 |
| 39 | Miscellaneous manufacturing, including ordnance..... | 256 | 929 | 104 | 532 | 152 | 397 |
| | Newark, N.J., total..... | 8,764 | 22,925 | 1,564 | 6,017 | 7,201 | 16,908 |
| 20 | Food and kindred products..... | 820 | 2,101 | 76 | 309 | 745 | 1,792 |
| 26 | Paper and allied products..... | 598 | 1,455 | 19 | 73 | 579 | 1,382 |
| 28 | Chemicals and allied products..... | 2,305 | 5,961 | 587 | 1,800 | 1,718 | 4,161 |
| 30 | Rubber and plastics products, n.e.c..... | 80 | 266 | 29 | 129 | 51 | 137 |
| 31 | Leather and leather products..... | 68 | 182 | 32 | 89 | 36 | 93 |
| 33 | Primary metal industries..... | 314 | 1,057 | 138 | 547 | 176 | 510 |
| 34 | Fabricated metal products..... | 218 | 888 | 143 | 692 | 75 | 196 |
| 35 | Machinery, except electrical..... | 291 | 1,025 | 136 | 634 | 155 | 391 |
| 36 | Electrical machinery..... | 356 | 1,053 | 116 | 449 | 240 | 604 |
| 37 | Transportation equipment..... | 223 | 627 | 36 | 156 | 186 | 471 |
| 39 | Miscellaneous manufacturing, including ordnance..... | 93 | 347 | 64 | 271 | 29 | 76 |
| | Paterson-Clifton, Passaic, N.J., total..... | 3,334 | 9,381 | 870 | 3,005 | 2,464 | 6,376 |
| 20 | Food and kindred products..... | 184 | 499 | 31 | 126 | 153 | 373 |
| 26 | Paper and allied products..... | 433 | 1,044 | 6 | 30 | 426 | 1,014 |
| 27 | Printing and publishing..... | 30 | 112 | 23 | 86 | 7 | 26 |
| 28 | Chemicals and allied products..... | 908 | 2,363 | 306 | 714 | 602 | 1,649 |
| 30 | Rubber and plastics products, n.e.c..... | 144 | 487 | 66 | 281 | 78 | 206 |
| 33 | Primary metal industries..... | 213 | 607 | 66 | 262 | 148 | 345 |
| 34 | Fabricated metal products..... | 88 | 296 | 45 | 198 | 43 | 98 |
| 36 | Electrical machinery..... | 90 | 289 | (S) | (S) | (S) | (S) |
| 38 | Instruments and related products..... | 80 | 214 | 13 | 51 | 67 | 163 |
| | Philadelphia, Pa.-N.J., total..... | 14,927 | 41,684 | 1,768 | 7,758 | 13,159 | 33,926 |
| 20 | Food and kindred products..... | 1,227 | 3,411 | 152 | 689 | 1,075 | 2,722 |
| 22 | Textile mill products..... | 690 | 2,027 | 38 | 189 | 652 | 1,838 |
| 23 | Apparel and related products..... | 159 | 487 | 41 | 217 | 118 | 270 |
| 25 | Furniture and fixtures..... | 64 | 225 | 9 | 43 | 55 | 182 |
| 26 | Paper and allied products..... | 2,127 | 5,171 | 41 | 153 | 2,085 | 5,018 |
| 27 | Printing and publishing..... | 100 | 355 | 19 | 75 | 81 | 280 |
| 28 | Chemicals and allied products..... | 2,765 | 6,930 | 210 | 882 | 2,554 | 6,048 |
| 29 | Petroleum and coal products..... | 1,099 | 2,468 | (S) | (S) | (S) | (S) |
| 30 | Rubber and plastics products, n.e.c..... | 384 | 1,146 | 53 | 276 | 331 | 870 |
| 32 | Stone, clay and glass products..... | 792 | 2,863 | 358 | 1,563 | 433 | 1,300 |
| 33 | Primary metal industries..... | 2,926 | 8,531 | 211 | 839 | 2,715 | 7,692 |
| 34 | Fabricated metal products..... | 632 | 2,207 | 253 | 1,093 | 378 | 1,114 |
| 35 | Machinery, except electrical..... | 643 | 1,883 | 114 | 493 | 528 | 1,390 |
| 36 | Electrical machinery..... | 603 | 1,707 | 124 | 493 | 480 | 1,214 |
| 37 | Transportation equipment..... | 324 | 925 | 27 | 130 | 297 | 795 |
| 38 | Instruments and related products..... | 78 | 252 | 9 | 46 | 69 | 206 |
| 39 | Miscellaneous manufacturing, including ordnance..... | 178 | 687 | 81 | 438 | 98 | 249 |

See footnotes at end of table.

SUPPLEMENTAL TABLE 7. Residual and Distillate Fuel Oil Used for Heat and Power, by Selected SMSA's and Industry Groups: 1962—Continued

(Selected standard metropolitan statistical areas are those with 40,000 or more manufacturing employees)

| Code | Standard consolidated area, standard metropolitan statistical area, and industry group | Total | | Distillate fuel oil | | Residual fuel oil | |
|------|--|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|
| | | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) |
| | STANDARD METROPOLITAN STATISTICAL AREAS—Con. | | | | | | |
| | Pittsburgh, Pa., total..... | 3,061 | 10,589 | 775 | 2,963 | 2,285 | 7,626 |
| 33 | Primary metal industries..... | 2,924 | 10,023 | 688 | 2,582 | 2,236 | 7,441 |
| | Providence-Pawtucket-Warwick, R.I.-Mass., total.. | 3,327 | 9,398 | 408 | 1,676 | 2,920 | 7,722 |
| 20 | Food and kindred products..... | 147 | 473 | 20 | 128 | 127 | 345 |
| 22 | Textile mill products..... | 836 | 2,477 | 79 | 386 | 756 | 2,091 |
| 33 | Primary metal industries..... | 483 | 1,305 | 13 | 63 | 470 | 1,242 |
| 34 | Fabricated metal products..... | 182 | 478 | 122 | 289 | 60 | 189 |
| 35 | Machinery, except electrical..... | 117 | 309 | 25 | 88 | 91 | 221 |
| 38 | Instruments and related products..... | 45 | 132 | 12 | 52 | 33 | 80 |
| 39 | Miscellaneous manufacturing, including ordnance.. | 149 | 530 | 28 | 156 | 121 | 374 |
| | Reading, Pa., total..... | 654 | 2,270 | 184 | 826 | 470 | 1,444 |
| 20 | Food and kindred products..... | 51 | 182 | 13 | 72 | 38 | 110 |
| 33 | Primary metal industries..... | 102 | 381 | 33 | 149 | 69 | 232 |
| | Richmond, Va., total..... | 316 | 1,142 | 95 | 435 | 221 | 707 |
| 26 | Paper and allied products..... | 62 | 202 | 8 | 35 | 54 | 167 |
| | St. Louis, Mo.-Ill., total..... | 1,431 | 4,742 | 362 | 1,534 | 1,070 | 3,208 |
| 20 | Food and kindred products..... | 60 | 248 | 34 | 145 | 26 | 103 |
| 26 | Paper and allied products..... | 49 | 169 | 25 | 88 | 24 | 81 |
| 27 | Printing and publishing..... | 15 | 69 | 5 | 22 | 10 | 47 |
| 28 | Chemicals and allied products..... | 172 | 608 | 70 | 308 | 102 | 300 |
| 32 | Stone, clay and glass products..... | 165 | 515 | 25 | 96 | 141 | 419 |
| 33 | Primary metal industries..... | 755 | 2,262 | 84 | 364 | 671 | 1,898 |
| 34 | Fabricated metal products..... | 30 | 138 | 21 | 100 | 9 | 38 |
| | San Francisco-Oakland, Calif., total..... | 2,453 | 5,428 | 216 | 608 | 2,237 | 4,820 |
| 26 | Paper and allied products..... | 1,168 | 2,329 | 78 | 165 | 1,090 | 2,164 |
| 28 | Chemicals and allied products..... | 340 | 843 | 47 | 121 | 293 | 722 |
| 33 | Primary metal industries..... | 212 | 637 | 42 | 157 | 170 | 480 |
| | San Jose, Calif..... | 43 | 129 | 14 | 58 | 29 | 71 |
| | Seattle-Everett, Wash., total..... | 821 | 2,619 | 138 | 681 | 683 | 1,938 |
| 20 | Food and kindred products..... | 88 | 405 | 17 | 127 | 71 | 278 |
| 34 | Fabricated metal products..... | 112 | 350 | 21 | 104 | 91 | 246 |
| | Springfield-Chicopee-Holyoke, Mass.-Conn., total.. | 1,230 | 3,827 | 331 | 1,363 | 899 | 2,464 |
| 26 | Paper and allied products..... | 531 | 1,582 | 141 | 531 | 390 | 1,051 |
| 34 | Fabricated metal products..... | 105 | 334 | 31 | 129 | 73 | 205 |
| 39 | Miscellaneous manufacturing, including ordnance.. | 98 | 311 | 26 | 99 | 72 | 212 |
| | Syracuse, N.Y., total..... | 384 | 1,362 | 138 | 571 | 246 | 791 |
| 20 | Food and kindred products..... | 52 | 199 | 18 | 79 | 34 | 120 |
| 34 | Fabricated metal products..... | 37 | 140 | 20 | 82 | 17 | 58 |
| | Toledo, Ohio-Mich., total..... | 275 | 979 | 112 | 394 | 163 | 585 |
| 20 | Food and kindred products..... | 74 | 264 | 43 | 156 | 31 | 108 |
| 34 | Fabricated metal products..... | 26 | 112 | 6 | 34 | 20 | 78 |
| | Utica-Rome, N.Y., total..... | 467 | 1,525 | 67 | 337 | 400 | 1,188 |
| 33 | Primary metal industries..... | 158 | 468 | 22 | 113 | 136 | 355 |
| 34 | Fabricated metal products..... | 64 | 238 | 16 | 89 | 48 | 149 |

See footnotes at end of table.

SUPPLEMENTAL TABLE 7. Residual and Distillate Fuel Oil Used for Heat and Power, by Selected SMSA's and Industry Groups: 1962—Continued

(Selected standard metropolitan statistical areas are those with 40,000 or more manufacturing employees)

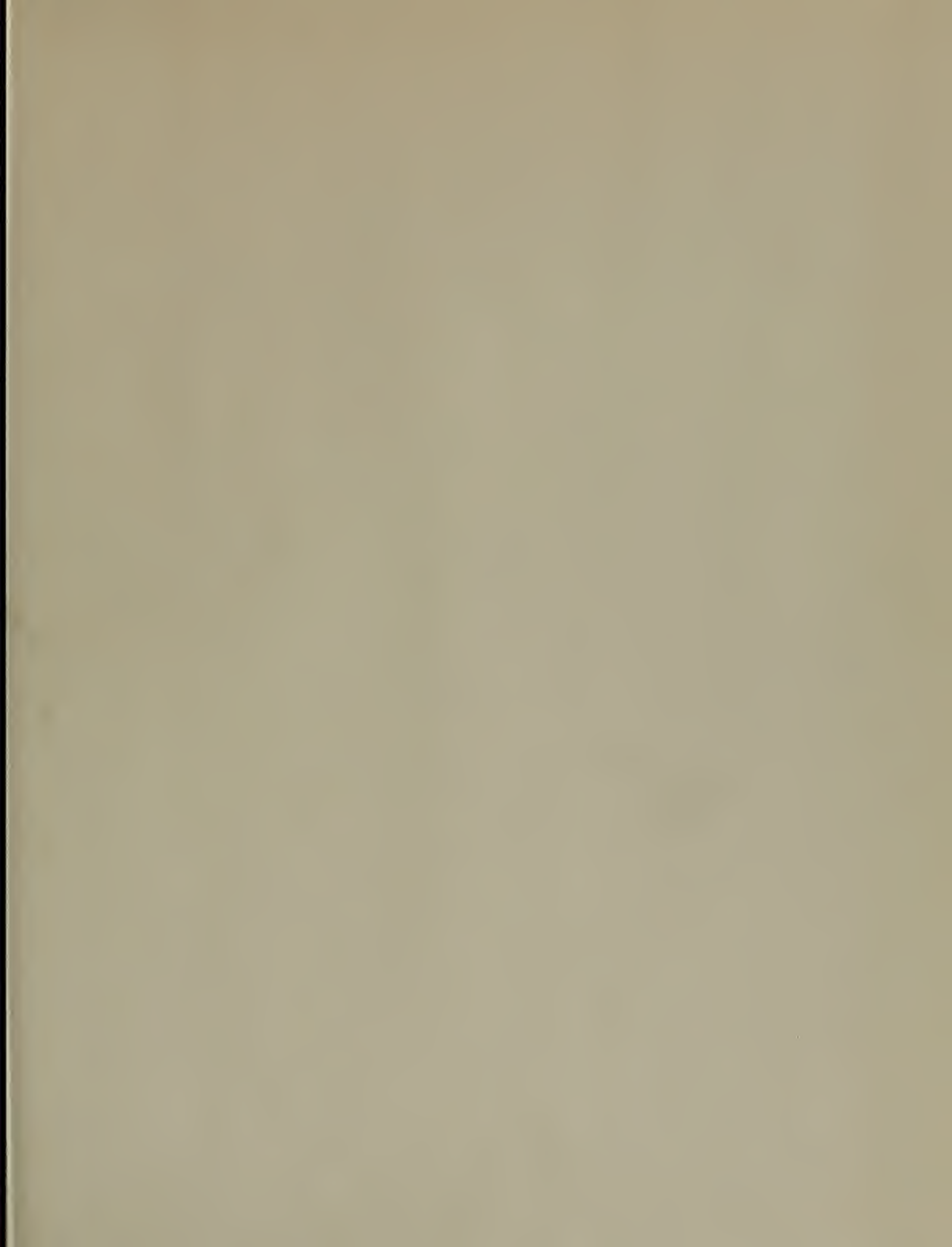
| Code | Standard consolidated area, standard metropolitan statistical area, and industry group | Total | | Distillate fuel oil | | Residual fuel oil | |
|------|--|--------------------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|
| | | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) | Quantity (1,000 barrels) | Value (\$1,000) |
| | STANDARD METROPOLITAN STATISTICAL AREAS—Con. | | | | | | |
| | Washington, D.C.-Md.-Va., total..... | 307 | 1,065 | 71 | 313 | 237 | 752 |
| 20 | Food and kindred products..... | 108 | 359 | 14 | 63 | 94 | 296 |
| | Wilmington, Del.-N.J.-Md..... | 2,420 | 6,791 | 332 | 1,191 | 2,088 | 5,600 |
| | Worcester, Mass., total..... | 1,007 | 3,452 | 391 | 1,558 | 616 | 1,894 |
| 20 | Food and kindred products..... | 54 | 239 | 25 | 134 | 28 | 105 |
| 33 | Primary metal industries..... | 393 | 1,229 | 175 | 562 | 218 | 667 |
| 34 | Fabricated metal products..... | 112 | 462 | 35 | 180 | 77 | 282 |
| 35 | Machinery, except electrical..... | 158 | 447 | 54 | 167 | 104 | 280 |
| | York, Pa., total..... | 871 | 2,794 | 310 | 1,155 | 561 | 1,639 |
| 34 | Fabricated metal products..... | 33 | 112 | 8 | 37 | 25 | 75 |
| | Youngstown-Warren, Ohio, total..... | 2,272 | 8,669 | 680 | 2,663 | 1,592 | 6,006 |
| 33 | Primary metal industries..... | 2,188 | 8,275 | 637 | 2,440 | 1,551 | 5,835 |

Note: Detail may not add to totals because of independent rounding. Standard metropolitan statistical area totals include the estimates for all component major industry groups, regardless of whether or not separate data are shown for the individual major groups.

- Represents zero. n.e.c. Not elsewhere classified. (S) Withheld because the estimate did not meet publication standards for one or more of the following reasons: The standard error associated with the figure was too high (generally in excess of 25 percent); cost of fuel less than \$50 thousand; to avoid disclosing figures of individual companies; or on the basis of a general consistency review.

¹Excludes Middlesex and Somerset Counties (New Jersey).







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